



Gerald Prichard

142
Kontakte

Senior Systems Engineer at Raytheon

Dallas/Fort Worth und Umgebung | Luft- & Raumfahrt

Aktuell	Raytheon
Früher	Aerospace Testing Alliance, CRL Technologies, Inc, 2008 Jacobs Technology, Inc
Ausbildung	The University of Texas at Austin
Empfehlungen	2 Personen haben Gerald Prichard empfohlen

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Vollständiges Profil von Gerald Prichard anzeigen

Zusammenfassung

24 years of defense technical experience in project management and systems engineering with a primary focus in Radio Frequency (Radar, Electronic Warfare, and Radios/Communications) and Electro-Optical/InfraRed (EO/IR) sensor modeling and simulation for mainly operational testing and integration of aerospace/aircraft weapons systems
Ph.D. in Mathematics Education

Certification: National Training and Simulation Association Certified Modeling and Simulation Professional

Berufserfahrung

Senior Systems Engineer

Raytheon

Mai 2010 – Heute (5 Jahre 2 Monate)

Support modeling and simulation efforts for development and testing of a Navy sensor system. Serve as primary technical advisor to the Verification, Validation, and Accreditation activities. Write functional and test requirements for a modeling and simulation repository.

Sr. Scientist

Aerospace Testing Alliance

November 2008 – März 2010 (1 Jahr 5 Monate)

Technical Lead and Project Manager for an EO/IR signature modeling development effort for the Defense Missile and Space Intelligence Center

Suche nach Namen

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Beispiel: [Jeff Weiner](#)

Weitere angesehene Profile



Clay Carson

Senior Principal Engineering Fellow at Raytheon Network Centric Systems



Jon Adams

Aviation & Aerospace Professional



David Pitoniak

Airborne Multi-Sensor Chief Engineer at Raytheon



Tom Shafer

Project & Systems Engineer, with demonstrated success leading product development



daniel radick

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Andrew Joslin

Systems Engineer at Lockheed Martin



Timotheus James

Georgia Tech Research Institute



james asbrock

ASIC Designer



Keith Noad

Systems Test & Integration Engineer F18 IRST Program at Lockheed Martin



Matthew .

Corrective Action & Quality Engineering at Lockheed Martin

Technical Lead and Project Manager

Aerospace Testing Alliance

November 2008 – März 2010 (1 Jahr 5 Monate)

Oversee all technical and project-management aspects of current and new development for the Enhanced Missile Signature (E-MSIG) model for Ultraviolet (UV) and InfraRed (IR) missile plume signature representations. Plan all E-MSIG model verification and validation efforts. Coordinate technical and contractual requirements with all E-MSIG subcontractors and users, including all DoD acquisition programs and Operational Test Agencies requiring use of E-MSIG as the U.S. government's standard for UV and IR plume signature modeling and simulation of Man Portable Air Defense Systems (MANPADS). Update all E-MSIG project data, including progress updates and cost, schedule, delivery information to support Air Force Key Performance Indicator (KPI) assessments. Direct daily technical activities of staff supporting E-MSIG projects.

* Oversaw all technical aspects of the development and testing of the real-time UV atmospheric corrections to be added to E-MSIG as part of its integration with the Threat Modeling and Analysis Program (TMAP). Develop acceptance criteria and evaluate aerothermal and hardbody missile models accordingly. Assessed process for converting IR imagery into IR signatures as part of a data validation review for use of missile plume signature data in a Navy scene-generation capability.

Technical Lead and Project Manager

Aerospace Testing Alliance

November 2008 – März 2010 (1 Jahr 5 Monate)

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and Simulation Sr. Engineer

CRL Technologies, Inc

Juni 2008 – November 2008 (6 Monate)

Serve as a primary technical reviewer of all aspects of the U.S. Naval Aviation Command's (NAVAIR) oversight of the F/A-18 InfraRed Search and Track (IRST) sensor development and test efforts with a particular emphasis on the sensor and environmental modeling and simulation activities. Provide Subject-Matter-Expert assessments of all technical plans, development, and test results. Propose new, engineering-level modeling and simulation initiatives for the Navy and the Department of Defense.

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Sr. Engineering Technical Manager

2008 Jacobs Technology, Inc

März 2004 – Januar 2006 (1 Jahr 11 Monate)

Serve as the Deputy Lead for the Joint Strike Fighter (JSF) Program Office's Mission Systems (MS) Test and Evaluation group, including System Test and Integration (SI&T), Verification, Hazard Certification, and Certification/Flight Clearance. Provide direct insight into all aspects of System Test and Integration, including Developmental Testing for MS. Serve as primary lead for all "US ONLY" issues relevant to Test and Evaluation for the JSF Program Office's MS group, including especially all sensor, weapons, and threat-related test plans and issues.

Sr. Engineering Technical Manager

2008 Jacobs Technology, Inc

März 2004 – Januar 2006 (1 Jahr 11 Monate)

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Serve as the Technical Lead for all aspects of the JSF Program Office's MS Modeling, Simulation, and Analysis (MS MS&A). Provide coordination for all technical JSF MS MS&A activities with JSF contractor team, including systems engineering requirements, design review criteria, award fee inputs, and technical recommendations to the JSF JPO MS.

Principal Systems Analyst

Dynetics, Inc

Februar 2001 – März 2004 (3 Jahre 2 Monate)

Provide primary technical consultancy for all aspects of the Joint Strike Fighter (JSF) Mission Systems Modeling and Simulation activities, including sensor modeling (Radar, EW, EO/IR, and Communications, GPS, INS, sensor fusion, and sensor management), environmental signature and imagery modeling, and Integrated Core Processor modeling. Serve as Technical Program Manager for the JSF JPO of the Shared Synthetic Environment (SSE) prototype as a correlated, dynamic RF and IR signature environment for all Mission Systems-level sensor modeling to support engineering-level verification and testing. Provide technical direction for the SSE System Segment Specification and Interface Requirements Specification documents.

Principal Systems Analyst

Dynetics, Inc

Februar 2001 – März 2004 (3 Jahre 2 Monate)

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Principal Systems Analyst

Quantum Research

Juli 1999 – Februar 2001 (1 Jahr 8 Monate)

Represented the Army Test and Evaluation Command (ATEC) for all modeling and simulation (M&S) activities relevant to the joint program for the Suite of Integrated Infrared Countermeasures (SIIRCM). Reviewed all SIIRCM M&S documentation. Provided written technical reports and briefings on all M&S documentation, meetings, and end-to-end model runs. Coordinated and monitor all end-to-end model runs for ATEC at the Joint Threat Modeling and Simulation Center. Represented ATEC, the Air Force Test and Evaluation Command (AFOTEC), and the Navy's Operational Test and Evaluation Force (OPTEVFOR) on the Configuration Control Board (CCB) for the SIIRCM End-to-End models. Tested and evaluated specific models for missile threats using the Digital Infrared Seeker and Imaging Simulations (DISAMS), the Common Missile Warning System (CMWS), and the Advanced Threat Infrared Countermeasure (ATIRCM) jammer. Facilitated all technical interchanges and communication on M&S with the joint operational test agencies and with the SIIRCM/CMWS validation-plan working group. Wrote technical assessments of proposals from the ATIRCM/CMWS Joint Program Office to include sensor modeling, a new Hardware-In-The-Loop facility, and a system integration lab tool with simulated inputs. Coordinated and developed all sensitivity studies for the SIIRCM E2E models.

Principal Systems Analyst

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Austin Project Manager

ARL:UT

Januar 1998 – Juli 1999 (1 Jahr 7 Monate)

Managed an eleven-member team in all information systems engineering and modeling activities relevant to the redesign of the instrumentation system at the Army's Combat Training Centers and homestations. Provided research and engineering direction for functional and performance specifications as well as domain, functional, and performance modeling. Evaluated emerging information system technologies within the Applied Research Laboratories: University of Texas (ARL:UT's) role as a trusted agent for the Army's Simulation, Training, and Instrumentation Command (STRICOM). Coordinated and lead technical exchanges with industry, government, and academia to establish technology assessment and insertion plans. Wrote functional and performance specifications for four of the future information subsystems: data management, analyst workstations, data analysis, and training performance feedback.

Austin Project Manager

ARL:UT

Januar 1998 – Juli 1999 (1 Jahr 7 Monate)

Managed an eleven-member team in all information systems engineering and modeling activities relevant to the redesign of the instrumentation system at the Army's Combat Training Centers and homestations. Provided research and engineering direction for functional and performance specifications as well as domain, functional, and performance modeling. Evaluated emerging information system technologies within the Applied Research Laboratories: University of Texas (ARL:UT's) role as a trusted agent for the Army's Simulation, Training, and Instrumentation Command (STRICOM). Coordinated and lead technical exchanges with industry,

government, and academia to establish technology assessment and insertion plans. Wrote functional and performance specifications for four of the future information subsystems: data management, analyst workstations, data analysis, and training performance feedback.

Assistant Professor

Austin Peay State University

August 1996 – Dezember 1997 (1 Jahr 5 Monate)

Taught mathematics and mathematics education courses. Proposed and conducted collaborative learning research.

Assistant Professor

Austin Peay State University

August 1996 – Dezember 1997 (1 Jahr 5 Monate)

Taught mathematics and mathematics education courses. Proposed and conducted collaborative learning research.

Austin Research Scientist Assistant

ARL:UT

August 1992 – August 1996 (4 Jahre 1 Monat)

Performed experimental simulations of radio frequency propagation effects for an operational Navy RF communications software system called Radio Frequency Mission Planner (RFMP). Designed discrete and continuous optimization routines and wrote Fortran and C++ programs to provide analytical functions for RFMP.

Aided in all aspects of computer-assisted training for an Army C4I testing system called Fire Support Automated Testing System (FSATS) and RFMP including direct instruction, documentation, and user interface evaluation.

Austin Research Scientist Assistant

ARL:UT

August 1992 – August 1996 (4 Jahre 1 Monat)

Performed experimental simulations of radio frequency propagation effects for an operational Navy RF communications software system called Radio Frequency Mission Planner (RFMP). Designed discrete and continuous optimization routines and wrote Fortran and C++ programs to provide analytical functions for RFMP.

Aided in all aspects of computer-assisted training for an Army C4I testing system called Fire Support Automated Testing System (FSATS) and RFMP including direct instruction, documentation, and user interface evaluation.

Mathematician

National Security Agency Research Mathematician

April 1988 – Juli 1992 (4 Jahre 4 Monate)

Worked as a mathematician in research and operational areas. Developed and implemented analytical algorithms for mathematical analysis of theoretical and physical systems. Wrote computer programs to update existing software and to perform data manipulation.

Mathematician

National Security Agency Research Mathematician

April 1988 – Juli 1992 (4 Jahre 4 Monate)

Worked as a mathematician in research and operational areas. Developed and implemented analytical algorithms for mathematical analysis of theoretical and physical systems. Wrote computer programs to update existing software and to perform data manipulation.

Sprachen

French

Kenntnisse

Systems Engineering

DoD

Testing

Sensors

System Architecture

Software Engineering

Requirements Analysis

System Design

Integration

Object Oriented Design

Electronic Warfare

Software Development

Information Assurance

Security Clearance

Technical Leadership

> 9 anzeigen

Ausbildung

The University of Texas at Austin

Doctor of Philosophy, Mathematics Education
1992 – 1997



Worekd at the Applied Research Labs and completed the doctoral program in Mathematics Education

Universities

PhD, Mathematics Education
1983 – 1997

Universities

PhD, Mathematics Education
1983 – 1997

University of Maryland Baltimore County

MS, Applied Mathematics
1989 – 1992



University of Maryland Baltimore County

MS, Applied Mathematics
1989 – 1992



Tennessee Technological University

BS, Mathematics

1983 – 1987



Tennessee Technological University
BS, Mathematics
1983 – 1987



Cookeville High School
Diploma
1980 – 1983

Gruppen

Defense Modeling an...

Systems Engineerin...

Sehen Sie sich das vollständige Profil von Gerald Prichard an und ...

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