

Sean T Fitzgerald

EDUCATION

Stanford University

CS Courses in Artificial Intelligence & Data Mining (see transcripts)
Foundations of Computer Science Graduate Certificate
GPA 3.72 / 4.0

Palo Alto, CA
Aug '16 - Present

University of Notre Dame

Bachelor of Science in Computer Engineering
GPA 3.38 / 4.0

Notre Dame, IN
Aug '11 - May '15

EXPERIENCE

Naval Reactors

OHIO Class Nuclear Instrumentation & Control (Lead Engineer)
Submarine Nuclear Control Systems Cyber Security (Lead Engineer)
Commanding Officer Submarine Instrumentation Course (Instructor)

Washington DC
Jun '15 - Present

- Developing intuitive nuclear control systems for eighteen OHIO Class ballistic missile submarines. As lead engineer for OHIO reactor control and instrumentation, I design and manage development and installation of complex electronic reactor control systems.
- Ensure cyber security on submarine nuclear control systems. I am the lead engineer for cyber security on LOS ANGELES, SEAWOLF, VIRGINIA, and OHIO Class submarines. This involves designing robust and verifiable communication protocols between reactor instrumentation and control systems, as well as tools for forensic analysis.
- Instruct submarine Commanding Officers. I spend eighty hours annually teaching submarine captains how to safely operate the reactor control equipment that I design and maintain.
- Provide year-round uninterrupted technical support for deployed ballistic missile submarines in support of the US strategic mission.

🍏 Apple Inc.

Software Engineer Intern

Designed and built a visualization framework which dramatically improved user experience with apps developed by Apple. My project was among a few chosen for presentation to the Apple CIO, Niall O'Connor at the conclusion of the internship.

Cupertino, CA
May - Aug '14

LEADERSHIP

Battalion Operations Officer, University of Notre Dame Naval ROTC
Teaching Assistant, Fundamentals of Computing
Pizza Business Owner, Keough Residence Hall

Spring '15
Fall '13
Fall '13 - Spring '14

INTERESTS

Deep Learning, Education, 3D Printing, Woodworking, Reading, Rowing, Camping

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