J Carr

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WORK EXPERIENCE

Booz Allen Hamilton: Lead Engineer, Associate **Fall 2016 – Present**

- Staff engineer position with Air Force client's integrated software development team
- Designs/implements new features and maintains/updates existing features in US Air Force enterprise safety data management solution
- Utilizes on-site experience to create and execute on new development opportunities/client capabilities in addition to planned contract work
- Senior Developer + DevOps Technician + Project Docs Champion

OSU Center for Applied Systems and Software (CASS): Systems Development Engineer **Summer 2014 – Spring 2016**

- Faculty engineer position in the student experiential learning program
- Supervises and contributes code on software development projects for OSU-CASS clients
- Leverages product creation to train and mentor student interns in software development practices
- Lead Developer + Manager + Academic Mentor

SELECTED PROJECTS

Air Force Safety Automated System (ongoing contributor) **Fall 2016 – Present**

- Cloud-based Air Force safety data management system (and integrated mobile event reporting system)
- Enforces USAF safety policy by standardizing and assisting in safety data collection, management, and reporting
- Facilitates data trending/analysis over archived data to inform future policymaking

"SUPERMAP" (a.k.a. Applied Decision Tree) **Summer 2017**

- AFSAS UI engine sub-module "enforces" Air Force data collection policy by calculating the set of possible choices for the user's next action based on their preceding actions and presenting only valid options for the user to select from
- Eliminates the need to refactor UI engine upon requirements changes in AFSAS' data model
- Enables validation of legacy AFSAS data upon database schema updates

Master's Degree Project: Mobile Virtual Reality Navigation **Fall 2012 – Winter 2013**

- Prototype application maps real-space mobile device motion to virtual-space camera motion.
- Investigates and discusses the feasibility of creating Virtual Reality applications on the current generation of mobile computing platforms without additional custom hardware.
- Demonstrates the strengths and weaknesses of dead-reckoning navigation and characterizes its performance as the basis for robust, mobile, Virtual Reality applications in future studies.

CERTIFICATIONS

CompTIA Security+ **October 2025**

Certification ID: JJHD5X3SXJ1QCWY2

EDUCATION

Master of Science in Computer Science **June 2013**

Oregon State University

Bachelor of Arts in Philosophy, Minor in Computer Science **May 2010**

Willamette University

SKILLS

Tools: Git, Subversion, Microsoft Team Foundation Server, Eclipse IDE, Microsoft Visual Studio, Xcode, Oracle SQL Developer, SQL Server Management Studio, Microsoft Test Manager, Emacs

Languages: Java, C#, JavaScript, Bash, SQL, HTML, CSS