Jeff Brandon
MS. Information Security
BS. Computer Science and Mathematics
jeffbrandon2010@gmail.com

Objective

Apply knowledge of software engineering, information security, distributed systems, machine learning, and systems programming in a dynamic project environment to help advance the state of the industry.

Skills

Programming Languages: C, C#, Java, javascript, go, perl, python, x86, x86_64, ARM
Unix, Ubuntu, CentOS, gdb, WireShark, SVN, Git, .Net

Experience

MIT Lincoln Laboratory - Secure Resilient Systems and Technology, August 2016 - Present
Associate Technical Staff

- Tested and prepared software for an enterprise class satellite in final weeks before launch.
- Developed a secure processing platform for small (cube) satellites
- Participated in a Micro UAV (quadcopter) autonomous race.

NASA Jet Propulsion Laboratory - 393G, June 2015 - August 2015
Intern

- Worked with the Cyber Security team on a contract with an external client in the oil and gas industry to secure their network infrastructure.

Lockheed Martin June 2014 - August 2014
Corporate Engineering and Technology Operations - Net Centric Integration and Development
Technical Intern

- Software Engineering and web based development project. Primarily used ASP.NET, C#, javascript, and jQuery to implement the social suite with SQL to interface with the backend database.

Education

Carnegie Mellon University – Information Networking Institute, M.S. Information Security, GPA: 3.8, May 2016
Awarded “CyberCorps: Scholarship for Service”
Selected Coursework: Graduate Artificial Intelligence, Mobile Security, Secure Software Systems, Distributed Systems, Fundamentals of Embedded Systems, Fundamentals of Telecommunication Networks, Computer Systems A Programmer’s Perspective 15-213

Central Michigan University – B.S. Computer Science and Mathematics, GPA: 3.6, May 2014
Selected Coursework: Introduction to Operating Systems, Software Engineering, Mobile Development, Advanced Data Structures, Advanced Algorithms

Projects

Magic Market - Designed and implemented an Android application to parse data from multiple sources to log and track price information of Magic: The Gathering trading cards. Used sqlite to store information. App would automatically fetch prices from popular retailers and display trends in charts.
Malloc Lab – Implemented a dynamic memory allocator using a segregated list of free memory blocks to maintain the state of the heap.

Research

Authored and Presented
“**Course Management Systems**”, (Jeff Brandon, Cameron Henige, Kyle Head, Mark Beilfuss, Tom Lagona, Rolando Casipit, and Roger Lee), Proceedings of the 2013 International Conference on E-Learning, E-Business, Enterprise Information Systems, & E-Government, WorldComp 2013