Sean Tyler Atwell

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EDUCATION

Bachelors of Electrical Engineering (B.E.E.), Computer Engineering Option - Auburn University

August 2010 - December 2014

- Senior Design under the direction of Dr. Chwan-Hwa Wu, with a focus on computer security. We developed a secure wrapper around a VPN Server to provide silent user authentication and attack prevention.

High School Diploma - Houston Academy

August 2006 - May 2010

- Graduated with honors

EXPERIENCE

Interactive On-Net Operator - United States Department of the Army

June 2016 - present

- Section is pending pre-publication review.

Notable Projects:

- Section is pending pre-publication review.

Spec III Info Tech, Auburn OIT - AU Leasing Department

January 2015 - May 2016

- Worked with the AU Lease Group to develop and maintain software solutions for managing all the leased computers on Auburn's campus
- Integrated the leasing software with third party vendor applications to collect pricing information, available products, and product information changes
- Served as a mentor for new developers, aiding them in learning the .NET Framework and good coding practices
- Provided development support on several legacy applications

Notable Projects:

- AU Lease Suite - This project handled all the publicly facing portions of the leasing process including placing orders, renewing leases, and scheduling times to have a leased machine delivered. The backend of the project manages the life-cycle of machines leased on campus, generating all the billing documentation and end of lease information needed to correctly manage leases.
- Veteran Swipe - A system that was developed for the Auburn Department of Veteran's Affairs. This application allowed people who want to utilize Veteran's Affairs resources to swipe their student ID cards at the front entrance. Analytics from this system were used to optimize resource allocation for veteran services.

Programming Team Lead, TgL Communications
September 2012 - February 2016

- Discussed project specifications with clients, and work with floor workers to determine what was needed for a given project
- Led a team of up to four software developers, coordinating development on various software projects

Notable Projects:

- JFA Function Tester Monitor - This application printed labels for products going through a JFA function tester, then kept track of data about that given part. It also tracked how many times it had to be run to pass inspection, as well as reasons for the failures (if any).
- Inventory Manager - This application kept track of the current inventory across several warehouses, and provided barcoded labels for ease of tracking.
- Serial Data Collector - This project pulled data from several PLC driven machines to analyze production trends.

Co-op Web Developer, Auburn OIT - Campus Web Solutions
May 2012 – December 2013, August 2014 – December 2014

- Managed several pieces of legacy code
- Developed new products for various campus departments
- Produced internal applications to improve team efficiency

Notable Projects:

- SEND Error Tracking - This project captured errors as they occured across the entire enterprise and logged them in a central database. The front end displayed relevant information, alerting, and trend analysis.
- OIT Migration Tool - This project managed all of the code migrations from the development server to the production server for our office.

TECHNICAL SKILLS

Professional Skills

C#	MS SQL	IIS Server	MVC Framework	Team Foundation Server
JavaScript	PHP	jQuery	Git	Angular JS
MySQL	CSS	JSON	Knockout JS	WPF
Wireshark	Python	Nmap	Metasploit Framework	Reverse Engineering

Other Skills

Java		C/C++	VHDL	Unity development	RS-232 protocol
MC9090 development	Assembly	Cordova	Arduino development	HCS12 architecture