

Matthew Bahr

Home Address:

2828 Grove Dr.
Sanford, FL 32773
(407) 756-3601

mattbahr1992@gmail.com
<https://github.com/mattbahr>

Objective

To secure a software development position, ideally matching my interest in web development.

Education

University of Central Florida

GPA – 3.6

Graduated in May 2015 with a Bachelor of Science in Computer Engineering

Lake Mary High School – 2011

Graduated Summa Cum Laude

Work Experience

Position: Full Stack Developer | Employer: Katmai Government Services, April 2018 to the present

- Technical lead on the MyNavy Portal project, an all-purpose web portal meeting the human resources needs of Navy servicemen and women
- Tasked with integrating our site with Okta's multi-factor authentication service
- Leveraged Liferay Portal's enterprise portal technology
- Development lead overseeing the resolution of security issues identified by the Fortify static code analysis tool; this also involved reviewing other developers' code to ensure best practices were enforced
- Regularly demoed features for stakeholders in the Navy
- Gained experience supporting production code on a site with a massive user base, hosted on the AWS Government Cloud

Position: Software Developer | Employer: Pioneer Technology Group, August 2015 through May 2017

- Developed software components for Benchmark, a data management application used by county courts
- Automated the process of ingesting land record data into a MySQL database
- Gained experience with Microsoft's .NET development framework
- Used SQL and Visual Studio's Integration Services to convert new client data over to a homegrown architecture

Skills

- Languages: Java (most fluent), JavaScript (fluent), Python (proficient), C# (proficient)
- MySQL and Oracle database scripting
- Normalized schema design
- HTML, JSP, Sass, and Bootstrap for responsive, grid-based UI design
- Response formatting with JSON
- Experience with Gradle as a build tool
- Elasticsearch indexing through Liferay Portal's API
- Test-driven development with JUnit
- Commitment to best practices, secure programming techniques, and thorough code review
- Limited experience with Docker
- Web requests and response handling with Ajax
- Experience programming Android
- Version control with Git
- Remote work on a distributed team
- Familiar with the Agile paradigm

Personal & School Projects

- Built a responsive web application to consolidate Facebook's event library onto a map UI, making it easier for users to find local shows and performances in their areas
 - Used Angular on the front end
 - Integrated with Google Maps and Facebook APIs
- Designed and implemented an autonomous search and retrieval system using drones
 - Used an image recognition algorithm written in Python for aerial object detection
 - Programmed wireless communications via TCP/IP as well as radio communications

- Programmed an embedded microcontroller to maneuver a vehicle on land
- Built a command console application to oversee mission functions
- Created an Android app for the popular card game, *Cards Against Humanity*
- Wrote a simple command line email drafting tool in Python for personal use

Achievements

- Lead the effort to integrate MyNavy Portal with Okta for multi-factor authentication in compliance with the latest requirements from the DoD. Multi-factor login was pushed to production with zero defects found
- UCF Dean's List
- Accepted into the Burnett Honors College
- National Merit Finalist