**Matthew Bahr**

**Home Address:**

2828 Grove Dr.

Sanford, FL 32773

(407) 756-3601

[mattbahr1992@gmail.com](mailto: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