Matthew Bahr

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Objective

To secure a position with a company specializing in software development. The ideal position would match my interest in web or mobile development.

Education

University of Central Florida
GPA – 3.7
Graduated in May 2015 with a Bachelor of Science in Computer Engineering

Lake Mary High School – 2011
Graduated Summa Cum Laude

Projects

- Currently working on a web application to connect audience members with live music and to facilitate communication between artists and venues
  - Using Angular for the front end; styling with Bootstrap
  - Using Java with Spring MVC and MongoDB on the server side
- Designed, developed, and implemented a search and retrieval system by interfacing a quadcopter with a land rover
  - Used OpenCV's Python library for aerial object detection
  - Programmed wireless communications via TCP/IP as well as radio communications
  - Programmed an embedded microcontroller to maneuver a land rover
  - Built a command console application to oversee mission functions
- Created an Android app for the popular card game, *Cards Against Humanity*

Skills

- Languages: Java (most fluent), VB (fluent), Python (proficient), JavaScript (proficient)
- Currently learning the Spring framework
- Experience programming Android
- Experience programming embedded systems
- Experience with Windows as well as UNIX/Linux environments
- Knowledge of image processing algorithms
- Proficient with SQL
- Limited knowledge of NoSQL databases, specifically MongoDB
- Limited familiarity with AngularJS as well as HTML and CSS
- Experience using GitHub and Microsoft's Team Foundation Server for version control

Work Experience

Position: Developer | Employer: Pioneer Technology Group, August 2015 through May 2017
- Contributed code to Benchmark, a data management application used by county courts
- Implemented aspects of the application's functionality for handheld devices
- Worked with Microsoft's .NET development framework
- Used Visual Studio's Integration Services to convert data from legacy systems to a homegrown architecture

Position: QA | Employer: Pioneer Technology Group, Spring 2014 through September 2014
- Worked directly with customers as a member of the support team to resolve application issues
- Tested multiple applications
- Used SQL Server Management Studio to traverse and manage databases

Achievements

- UCF Dean's List
- UCF Principal's Honor Roll Fall 2013
- Accepted into the Burnett Honors College
- National Merit Finalist