Andrew McOlash
Software Engineer

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Education

Bachelor of Science in Computer Science
at UW Madison
September 2011 - May 2015

- Favorite Class: Computer Graphics
- Computer Engineering Project: Built an Android Spotify app for gatherings with a Reddit-like voting system for choosing upcoming songs

Projects

What's Up
November 2017 - January 2018

- Leverage multiple event apis including Facebook, EventBrite and Meetup to aggregate information about upcoming local events
- Implemented using Ionic (Angluar) and Firebase to provide real time updates to new events

Giffing Awesome
April 2016 - June 2017

- Mobile web app that allows for users to search image sites, save he share their favorite GIFs
- Devloped with the Ionic Framework and Firebase, and the APIs from Giphy, GifMe and Riffsy

Technical Skills

Sotware Development
Java, Python, C, C++, Bash Scripting

Web Development
HTML, CSS, SASS/LESS, Javascript, AngularJS, Ionic Framework, Twitter Bootstrap, Jekyll, NodeJS, EmberJS

Employment

Tableau Software — Software Engineer
May 2018 - Present

PerBlue — Software Engineer II
June 2015 - April 2018

- Collaborate with a small team to develop software infrastructure for the mobile games "Disney Heroes: Battle Mode", "Portal Quest" and "DragonSoul"
- Implement new content, combat logic, mechanics, asset management system and rendering pipline
- Create tooling for both the art and quality assurance teams to improve their workflows
- Refactor large sections of the codebase to make development of new characters and mechanics easier and faster

Survey of the Heath of Wisconsin (SHOW) — Web Developer
November 2014 - May 2015

- Developed a public health statistics web portal from scratch
- Used web frameworks including Handlebars and HighCharts to deliver fast, reusable and mobile responsive pages
- Provided quick iterations of the website to tailor specifically to feature requests

Liberty Mutual — Web Development Internship
May 2014 - August 2014

- Developed mobile responsive internal web applications
- Utilized web technologies including EmberJS, Angular, NodeJS and Grunt
- Closely worked with MVC patterns and architeched internal APIs

Volunteering

Literacy Network — Math Tutoring
August 2017 - Present

- Provide 1 on 1 tutoring sessions for GED students in the subjects of algebra, geometry and statistics
- Personalize individual learning plans for each student
- Utilize different teaching techniques based on student needs

Kids Get IT — Teaching Assistant
May 2016 - November 2016

- Instruct and mentor children to teach them about technology
- Assist children in making music with SonicPi - an open souce live coding music synthesizer

- Help kids learn and write real code with the service Bitsbox