

Joshua K. Cockrell

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Education

Brigham Young University

Bachelor of Science, Computer Science

Apr 2018

Provo, UT

- 3.65 GPA
- President: BYU Developers Club
- Honors Program, Business Minor, Mathematics Minor, Phi Eta Sigma National Honor Society

Technical Skills

- Proficient with: Python, JavaScript, Node.js, Express, HTML, CSS, full-stack web/iOS development
- Experience with: Swift, MySQL, React.js, Amazon Web Services, C++, Java, C#, Asp.net, Objective-C
- Other skills: Git, RESTful and TCP web services, JSON, user experience testing, MVC design patterns

Work Experience

Photage – Project Manager, iOS Developer

Sept 2015 – Present

Software Development Team

Provo, UT

- Developed a custom CMS website using Node.js, Express and React.js
- Coordinated API development between in-house developers and an external iPhone development firm
- Developed a Node.js script that processes 100% of the company's revenue generating products

BYU Open Source Lab – Research Assistant

Feb 2015 – Oct 2015

Cedar Hills Issue Tracker: Crowdsourcing Public Works

Provo, UT

- Developed a native iPhone app using Swift, iOS Camera API, iOS Geolocation API, and MVC development pattern
- Integrated with a backend development team and presented at the BYU Civic Engagement Research Conference

Microsoft – Software Development Intern: Explore Microsoft

May 2015 – Aug 2015

Edge Browser Team

Redmond, WA

- Developed global product distribution webpages using ASP.NET for the Edge browser worldwide release
- Lead collaboration between 3 separate teams to integrate the webpages into an existing Microsoft web portal
- Increased web page query speed 4x by creating a dynamic SQL query system using C#, Linq, and JavaScript

Hydrometrix – Full-stack iOS Developer

Oct 2014 – May 2015

Software Development Team

Provo, UT

- Polished the existing Objective-C iPhone app user experience by condensing the number of app pages by 33%
- Maintained the company's Java production server and database as the number of accounts grew by 200%
- Created a warning system with Python to automatically report server downtimes

Independent Projects

Award Winning Open Source Science Fair Project

Nov 2009 – Mar 2011

Rapid Application Development Using Python Scripting

Provo, UT

- Used Python to create a polished tower defense game, including fully custom UI and extensive 2D physics
- Included global online community feedback and testing; 2500+ total downloads from over 10 countries

Project Awards

- First Place – Regional Level: Central Utah Science and Engineering Fair, District Level: UVU Science Fair
- Winner – Intel Excellence in Computer Science Award
- National Silver Medal, Regional Gold Medal – Scholastic Art and Writing Awards
- Dean's Award – Brigham Young University (BYU)

Extracurricular and Volunteer Experience

- Full-Time Church Representative: The Church of Jesus Christ of Latter-day Saints
- Opened for Maroon 5 at a private Microsoft concert

Aug 2012 – Aug 2014

Jul 2015