

Joshua K. Cockrell

joshuackcockrell@gmail.com ▪ (801) 682-0381 ▪ joshuackcockrell.com

Education

Brigham Young University

Bachelor of Science, Computer Science

Apr 2018

Provo, UT

- 3.78 GPA
- President: BYU Developers Club
- Honors Program, Business Minor, Mathematics Minor, Phi Eta Sigma National Honor Society
- Relevant Coursework: Data Structures and Algorithms, Computer Systems, Discrete Structures, Calculus 2

Proficient Technical Skills

- Full-stack web/iOS development, open source, RESTful and TCP web services, SQL, MVC, Unix development
- Python (4 years), Swift (6 months), JavaScript (6 months), C++ and Java (1 year), Git (1 year), HTML/CSS (1 year)

Work Experience

Photage – Project Manager, iOS Developer

Software Development Team

Sept 2015 – Present

Provo, UT

- Coordinated API development between in-house developers and an external development firm

Microsoft – Software Development Intern: Explore Microsoft

Edge Browser Team

May 2015 – Aug 2015

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# and Linq

Hydrometrix – iOS Developer, RESTful API Developer

Software Development Team

Oct 2014 – May 2015

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

Wahoo Studios – Quality Assurance Tester

Xbox 360, PS3 and Wii QA Team

Jun 2011 – Aug 2011

Provo, UT

- Wrote hundreds of detailed bug reports and maintained the company's issue tracking database
- Titles: Hasbro Family Game Night 4; World of Keflings—224,000 units sold

Independent Projects

Open Source Civic Engagement Research Project – iOS Developer

Cedar Hills Issue Tracker: Crowdsourcing Public Works

Feb 2015 – Present

Provo, UT

- Developed an 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

Award Winning Open Source Science Fair Project

Rapid Application Development Using Python Scripting

Nov 2009 – Mar 2011

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