

# JOSHUA K. COCKRELL

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## EDUCATION

### Brigham Young University – B.S. Computer Science

Class of 2018 | *Utah*

- 3.65 GPA
- Honors Program, Business Minor, Mathematics Minor, National Honor Society

### Technical Skills

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

## SUMMER INTERNSHIPS

### Microsoft – Software Engineer Intern – Windows Server Quality

Summer 2016 | *Washington*

- Reduced time to diagnose customer's servers from 3 hours to 15 minutes by developing a custom tool with C#
- Created a multithreaded topology scanner capable of crawling a 100,000+ employee network in 60 seconds
- Helped 3 other Microsoft teams adopt these tools through a series of internal presentations

### Microsoft – Explorer Software Engineer Intern – Edge Browser Team

Summer 2015 | *Washington*

- Decreased time to gather Edge user engagement from 1 ½ days down to a 4 second webpage reload
- 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

## PART-TIME STARTUPS

### Photage – Full-stack web developer – Software Development Team

School Year 2015 - 2016 | *Utah*

- Developed a Node.js script that processes 100% of the company's revenue generating products
- 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

### Hydrometrix – Full-stack iOS Developer – Software Development Team

School Year 2014 - 2015 | *Utah*

- 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%
- Saved dozens of hours of server downtime by creating an automatic warning system with Python

## PERSONAL PROJECTS/HACKATHONS

### Seattle Children's Hospital Tonsillectomy App – Microsoft Hackathon

Summer 2016 | *Washington*

- Tested the app design with hospital doctors and incorporated feedback into the iOS/Android apps
- Designed the app's color scheme to work with several forms of colorblindness
- Featured on the Seattle Times Business Paper front page

### City Issue Tracker iOS App – BYU Open Source Lab

Summer 2015 | *Utah*

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

## EXTRACURRICULAR EXPERIENCE

### BYU Developers Club – President

School Year 2015 - Present | *Utah*

- Grew the club from dormant to 60+ monthly members and 5 leadership members in under six months
- Lead external relations by raising \$20,000+ in donations and starting a resume bank involving 10+ companies

### Other

- 1<sup>st</sup> Place State Science Fair – Computer Science School Year 2010 - 2011 | *Utah*
- Opened for Maroon 5 at a private Microsoft concert Summer 2015 | *Washington*