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 (top 20% of class)

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*
- Built a diagnosis tool to be used by Fortune 500 companies to troubleshoot their Windows Server deployments
- Reduced time to diagnose customer's servers from 3 hours to 15 minutes by using native C# libraries
- Helped 3 other Microsoft teams adopt this successful tool through a series of internal presentations

Microsoft – Explorer Software Engineer Intern – *Edge Browser Team*   Summer 2015 | *Washington*
- Constructed a website for Microsoft management to track Edge user engagement worldwide
- Decreased management's feedback loop from 1 ½ days down to a 4 second webpage reload
- Increased web page query speed 2x 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*
- Architected and built the company's admin backend that processes 100% of their revenue generating products
- Designed admin site from scratch using Node.js, Express, React.js while hosting on Amazon Web Services
- Coordinated front-end 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*
- Created a native iOS app to help children recover from tonsillectomy surgery by providing a recovery timeline
- Tested the app design with hospital doctors and incorporated feedback into the iOS/Android apps
- Featured on the Seattle Times Business Paper front page

City Issue Tracker iOS App – BYU Open Source Lab   Summer 2015 | *Utah*
- Built an iOS app to photograph graffiti and send detailed reports directly to a city's 311 department
- Developed natively using Swift, iOS Camera API, iOS Geolocation API, and MVC development patterns
- Selected to present 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 100+ companies

Other
- 1st Place State Science Fair – Computer Science   School Year 2010 - 2011 | *Utah*
- DJed on stage in front of 2000 people at a private Maroon 5 concert   Summer 2015 | *Washington*