Joshua K. Cockrell

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Education

Brigham Young University Apr 2018
Bachelor of Science, Computer Science Provo, UT
- 3.78 GPA
- Honors Program
- Business Minor, Mathematics Minor
- Relevant Coursework: Data Structures and Algorithms, Computer Systems, Discrete Structures, Calculus 2

Proficient Technical Skills
- Project management, iOS development, web development, RESTful web services, relational databases
- Swift (6 months), Objective-C (1 year), JavaScript (6 months), C++ and Java (1 year), Python (4 years), Git (1 year)

International Study Abroad Experience
- Romania, Bosnia, Hungary: Bosnian War Study Abroad Mar 2012
- Jamaica: Cultural and Historical Study Abroad May 2011
- India: Photojournalism Study Abroad Mar 2010
- Guatemala: Cultural and Historical Study Abroad May 2009

Work Experience

Microsoft – Software Development Intern: Explore Microsoft May 2015 – Aug 2015
Edge Browser Team Redmond, WA
- Developed global product distribution webpages 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 8x by creating a dynamic SQL query system using C# and Linq

Hydrometrix – iOS Developer, RESTful API Developer, Systems Administrator 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

Wahoo Studios – Quality Assurance Tester Jun 2011 – Aug 2011
Xbox 360, PS3 and Wii QA Team Provo, UT
- Rigorously tested daily and hourly game updates, usually in direct coordination with individual programmers
- 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

Award Winning 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
- Volunteer Swift developer: BYU Open Source Lab Feb 2015 – Present
- Full-Time Church Representative: The Church of Jesus Christ of Latter-day Saints Aug 2012 – Aug 2014
- Opened for Maroon 5 at a private Microsoft concert Jul 2015