Tyler Peterson

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Education

Brigham Young University — 2014 - 2018

BSIS	Information Systems
Minor	Computer Science
GPA	3.38

VP of Operations, BYU Developers Club

IBM Watson Scholarship

BYU Merit Scholarship

Experience

Software Engineer Intern — June - August 2016

Visa — *San Mateo CA*

Rewrote Java image resizing and processing software for Visa Checkout, resulting in a significant increase in image quality. Worked with Java's Spring framework and Maven.

Developed internal tools and dashboards to monitor deployment and test information from Jenkins using Elasticsearch and node.js.

Full Stack Web Developer — February - May 2016

BYU — *Provo UT*

Created web applications for the BYU McKay School of Education using PHP's CodeIgnitor framework, SASS, and Javascript.

Helped design and implement the MySQL database architecture.

Data Analytics Intern — June - August 2015

Visa — *San Mateo CA*

Wrote SQL queries to calculate and track the effectiveness of Visa merchant's promotional campaigns, and developed dashboards and alerting systems to monitor the data in real time.

Backend Web Developer — April - June 2015

BYU — *Provo UT*

Created PHP applications for campus IT security to track and reduce the number of compromised/infected systems on campus, utilizing PHP's Yii MVC framework and mySQL databases.

Projects

Robot Lawyer — March 2016

CourtHacks, Salt Lake City UT

Developed 'Robot Lawyer', a friendly chatbot that uses conversation to generate completed legal documents.

Won 1st place and an all-expenses paid trip to demo at e-Courts 2016 in Vegas.

Built the document completion features and worked on the chat functionality and front-end interface.

Passive Inspection CubeSat — 2014 - Present

Provo UT

NASA USIP 2016 grant recipient to develop a cube satellite that captures spherical content for spacecraft inspection and virtual reality, fully funded to launch in 2017.

Developed initial software prototypes for spherical image capturing and processing, and particpated in mechincal engineering research on design of camera technology.

Presented at the 2015 AIAA Region VI Student Conference.

Streetlapse — March 2016

streetlapse.com

Created a web application that takes A/B starting points in Google Maps and generates a Google Streetview timelapse of the selected route.

M3Dical — June 2015

AngelHack Silicon Valley CA

Developed an HP Sprout application that serves as a medical kiosk; it scans fingers and hands and generates 3D printable braces, as well as scanning and reading insurance documents.

Won Autodesk's 1st place prize, HP's 2nd place prize, and was a named a top 6 finalist for the hackathon.

Skills

Languages

Proficient in:	Python, Java, SQL, HTML, CSS, JS
Experience in:	C#, PHP, C++

Frameworks

Django, Node.js, Spring, ASP.NET, SASS, Bootstrap

Software/Platforms:

Linux, Git, Vagrant, Amazon Web Services (AWS)