Tyler Peterson

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Education

Brigham Young University
2014 - 2018

BSIS	Information Systems
Minor	Computer Science
GPA	3.38

Developers Club Officer

IBM Watson Scholarship

BYU Merit Scholarship

Relevant coursework

Database Systems, Python Development, C# Development, Data Communications, Project Management, Systems Design, C++ Programming, Systems Analysis and Implementation

Experience

Software Engineer Intern
June - August 2016

Visa — *San Mateo CA*

Develop backend Java features on the Visa Checkout product using Spring, Maven, and Hypernate

Utilize Jenkins for testing and deployment and Git for version control

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 in Tableau to monitor the data in real time.

Full Stack 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 for the hackathon and an all-expenses paid trip to demo our project 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

Won NASA grants to develop a cube satellite that captures spherical content for spacecraft inspection and virtual reality. Fully funded to launch in 2018.

Prototyped initial software for 3D image capturing and particpated in mechincal engineering research on design of camera technology and aerospace data transmission requirements.

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
Experience in:	JavaScript, PHP, C#, C++

Frameworks

Django, Node.js, React.js, Bootstrap, Spring, SASS

Software/Platforms:

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