

# Tyler Peterson



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gingernaut

## Experience



### Backend Software Engineer Intern

Sept 2016 - Present | American Fork

*Clojure, Java, SQL, JavaScript, Node.js, Docker, AWS*

- Developing microservices written functionally
- Implementing global search across application



### Backend Software Engineer Intern

June - Aug 2016 | San Mateo

*Java, Maven, Spring, JavaScript, Node.js, Elasticsearch*

- Rewrote image resizing code for Visa Checkout, resulting in a significant increase in image quality
- Developed monitoring tool to analyze Jenkins deployments across dozens of internal servers



### Full Stack Web Developer

Feb - May 2016 | Provo

*PHP, SASS, JavaScript, MySQL*

- Created dynamic web applications for the McKay School of Education
- Helped design and implement system architecture



### Data Analyst Intern

June - Aug 2015 | San Mateo

*SQL, Google BigQuery, Tableau, D3.js*

- Wrote SQL queries to calculate and track the effectiveness of promotional campaigns
- Developed dashboards and alerting systems to detect statistical abnormalities in data trends

## Skills

### Languages

Proficient: Python, Java, JavaScript, SQL, HTML, CSS  
Familiar: Clojure, C#, PHP, C++

### Platforms/Libraries

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

### Tools/Databases

Linux, Git, Docker, Vagrant, PostgreSQL, MongoDB

## Select Projects

### Passive Inspection CubeSat

spacecraft.byu.edu | 2014 - Present

- \$200,000 NASA grant recipient to develop cube satellite for 360° photo capture in orbit, launching 2017

### Robot Lawyer

CourtHacks | March 4-5th 2016

- 1st place at hackathon and all-expenses paid trip to demo at convention in Vegas
- Built a friendly chatbot that generates completed legal documents in node.js

### Streetlapse

streetlapse.com | March 2016

- Generates 1st person streetview journey from A/B points in Google Maps
- Initially developed at Hack the North

### M3Dical

AngelHack | June 2015

- Autodesk 1st place, HP 2nd place, top 6 finalist for hackathon
- HP Sprout application that generates custom 3D printable finger braces

## Education

### Brigham Young University

2018

B.S. Information Systems

Minor: Computer Science

GPA 3.38

VP of Operations, Developers Club

IBM Watson Scholarship

BYU Merit Scholarship