

# Ben Plotke

## Skills

Python, Linux, Git, Sass, Javascript, MySQL, SQL, PHP, R, Splunk, Scikit-learn, Scope, Cosmos, C#, .NET MVC5, Test Driven Development, Visual Studio, Java, C, GDB, LaTeX

## About

### [Professional Site](#)

A year and a half ago I took a much needed break from tech. I am now refreshed and excited again. I hope you will consider me for an interview.

## Work Experience

**Microsoft:** Bing Backend Dev, 2018-2019

- **Scraped** big data sets
- Generated **Cortana** responses from **big data** sets with **distributed computing**
- Used **NLP** to design triggers for **Cortana** responses
- **Reverse Engineered** technology for which source code and documentation was not available
- Built performant **internal tools** for analyzing and modifying **Cortana** code
- Worked closely with teams **international teams** including Beijing

**HP:** Full Stack Developer, 2017 – 2018

- Implemented web pages to match design using **SCSS** and **Razor views**
- Planned and executed incremental refactors of **MVC controllers**
- Employed **TDD** to insure high quality code
- Tested and explored endpoints with **Postman** before incorporating into code
- Setup and configured web applications on **IIS**
- Wrote **feature tests** using Selenium, headless Chrome, and HttpMock

**Conversica:** Integrations Intern, 2016 – 2017

- Transitioned integration processes to horizontally **scalable thread pool**. The new system reduced server load, scaled to handle spikes, and allowed us to guarantee customers faster processing times
- Developed and maintained web UIs for customer success team using **Yii**
- Crafted performant **MySQL** queries with careful use of indices
- Helped manage over 50 integrations including FTP, SOAP, and REST

**Tune:** Data Science Intern, Summer 2015

- Coordinated with many teams and departments to gather reports, endpoints, databases, and pertinent read permissions
- Used **R** to generate data visualizations for labeling and presentation
- Wrote a **Python** script for automatically fetching data from databases and AWS **S3** with caching to disk to speed fetches in subsequent runs
- Used **R** packages to do robust statistical analysis
- Crafted a **Python** script for queuing and launching pipelined tasks while remaining within memory constraints

**North Seattle College:** Math/Computer Science Tutor, 2013 – 2014

- Tutored math and computer science in the general tutoring room
- Privately tutored computer science

## Education

- **Western Washington University:** BS in Computer Science, 2017