

# PETER SOCHA

**Software Engineering BSE student graduating April 2017**

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Website: [www.petersocha.me](http://www.petersocha.me)  
GitHub: [www.github.com/psocha](http://www.github.com/psocha)

## TECHNICAL SKILLS:

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**Languages:** C++, Java, C#, JavaScript, Go, Ruby, HTML, CSS, SQL, Python, PHP, Objective-C

**Platforms:** Android, iOS, .NET, node.js, Rails, PostgreSQL, MySQL, Hadoop, jQuery, Bootstrap, JSP

**Tools:** Git, AWS, Heroku, Docker, LaTeX, SVN, Perforce

## WORK EXPERIENCE:

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**Microsoft**, Software Engineering Intern Redmond, WA, Aug 2016 – present

- As a member of the Azure Batch team, contributed to the Batch service's VM pool management server during a major rewrite from C++ to C#
- Integrated the new pool server with external storage, testing, and deployment services, modeling these modules as finite state machines using the P# library

**Remind**, Backend Developer San Francisco, CA, Jan 2016 – Apr 2016

- Contributed to the API and microservices of Remind's education-tailored messaging platform, written in Ruby, Go, and node.js
- Expanded libraries for metrics, automated jobs, file storage, notifications, and rate-limiting

**Google**, Software Engineering Intern Kitchener, ON, May 2015 – Aug 2015

- As a member of the Display Ads team, wrote upgrades for the C++ and JavaScript tools used by the team to visualize the performance of ad servers during individual requests
- Created a timeline view while adding filter functionality to existing graph visualizations

**TableDabble**, Software Developer Toronto, ON, Aug 2014 – Dec 2014

- Wrote features, bug fixes, and automated jobs for the JSP web app, iPad app, and Android app of QuickTapSurvey, a survey-collection SaaS

**Pivotal Labs**, Agile Engineer Toronto, ON, Jan 2014 – Apr 2014

- Expanded a mobile payment iOS app in Objective-C during an early development stage

**Pause Productions**, Junior PHP Developer Oakville, ON, Apr 2013 – Aug 2013

- As a full-stack developer, applied PHP, MySQL, JavaScript, HTML, and CSS to add and improve web pages in Uplifter, a system for coaches and administrators of athletics clubs

## EXTRACURRICULAR EXPERIENCE:

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- **Midnight Sun Solar Race Car Team:** wrote low-level battery management code in C
- **Undergraduate Research Assistant:** wrote automated software benchmark tests in Python

## PUBLISHED PROJECTS:

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- [Go Game Clock](#): an Android app for enforcing time controls in the board game of Go
- [Homework Tracker](#): a Chrome extension for managing a list of assignments and due dates

## EDUCATION:

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Candidate for **Bachelor of Software Engineering**, University of Waterloo, Sept 2012 – present