PETER SOCHA

Software Engineer

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TECHNICAL SKILLS:

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:

Microsoft, Software Engineering Intern   Redmond, WA, Aug 2016 – Dec 2016
- 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, deployment, and testing services, modelling 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

TabbleDabble, 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:
- **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:
- **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:

Bachelor of Software Engineering, University of Waterloo, 2012-2017, cumulative average 93.5%