

Matthew Stobo

Experience

- Winter 2016 **Software Engineer**, *Coursera*, Mountain View, CA.
Took on various roles, including project lead, to improve Coursera's online learning platform.
- Headed a project to increase user productivity by overhauling the course forums search engine.
 - Expedited the course creation processes by augmenting error reporting for automated assignment graders.
 - Advanced new forms of online education by helping develop a mentor-led learning system.
- Summer 2015 **Software Developer**, *Wave Accounting*, Toronto, ON.
Developed the payments platform powering thousands of small businesses.
- Expanded our payments platform to Canadian businesses by helping create a new direct deposit platform.
 - Enabled the platform to grow by adding many missing features to our in-house risk analysis tools.
 - Raised productivity by automatically creating a risk assessment when users change personal information.
- Fall 2014 **Server Developer**, *Enflick Inc.*, Waterloo, ON.
Developed the API powering the TextNow Wireless messaging and calling service.
- Greatly increased productivity by refactoring how returns are managed in the internal inventory system.
 - Enabled customers to port their personal phones to TextNow by creating a proxy to Sprint's external API.
 - Allowed users to make purchases from Windows Phone by writing server side validation for receipts.
- Winter 2014 **Web Developer**, *Influitive Corporation*, Toronto, ON.
Maintained and created features for an advocate marketing platform running Ruby on Rails.
- Increased user engagement by helping to implement a community forum containing comments and likes.
 - Improved developer efficiency by refactoring and implementing tests for old code.
- Summer 2013 **Software Developer**, *SAP AG*, Waterloo, ON.
Continued development of the multiplatform installer for the Sybase IQ database software.
- Streamlined the build process by adding new command line features and removing compile time warnings.
 - Improved software stability by upgrading the installer back end to the newest version.

Skills

- Languages (**Workterm** Scala, Python, Ruby, JavaScript, PHP, CSS, Shell) (**School** C++, C, Java, \LaTeX)
Frameworks (**Workterm** Naptime (Play), Django, Angular, Rails, Sinatra) (**Personal** React, Flask)
Technologies (**Workterm** Solr, Cassandra, Kafka, Postgres, Git, vim, Redis, MySQL) (**Personal** RabbitMQ)

Education

- 2012–Present **Bachelor of Software Engineering**, *University of Waterloo*, Waterloo, ON.
Candidate, Expected 2017

Interests

- Speedrunning Hunting for game-breaking bugs and glitches that allow for insanely fast completion of a video game is what makes speedrunning so enjoyable to me.
- Board Games I enjoy playing many different speciality board games, especially Dominion, Settlers of Catan and Avalon. They're even more fun when played during lunch hours!
- Reading I'm a big fan of fantasy novels. Right now I'm into Brandon Sanderson's Stormlight Archive while waiting for The Winds of Winter.

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