Sigtryggur **Kjartansson**
software engineer

about
San Francisco, CA
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programming
Java
Python
C/C++
Ruby
JavaScript
Swift
MATLAB

web technologies
Ruby on Rails
jQuery
nodeJS
HTML + CSS
XML
JSP
Django

other technologies
Git, p4, SVN, ADE
Eclipse, xCode, vim
LaTeX

languages
Icelandic (native)
English (fluent)
German (proficient)
Danish (proficient)
Spanish (novice)

Education

Massachusetts Institute of Technology — Cambridge, MA
B.Sc. in Mathematics with Computer Science — Aug 2010 - Jun 2014

GPA: 5.0 / 5.0 - *Phi Beta Kappa member*

Relevant Coursework: Design and Analysis of Algorithms; Software Construction; Software Studio; Machine Learning; Advanced Data Structures; Computation Structures; Spectral Graph Theory; Number Theory; Linear Algebra; Signals, Systems and Networks.

Experience

Oracle — Redwood City, CA
Software Engineer - Data Technologies — Aug 2014 - *current*
- Implemented an efficient copy function that significantly improves the throughput of in-memory dictionary population.
- Optimized filtering of in-memory compression formats.

Amazon Inc. — Seattle, WA
Software Development Intern - Fulfillment Technologies — May - Aug 2013
- Designed and implemented a shipment item marking service for an internal tool used in fulfillment centers, in order to improve problem resolution times.
- Deployed the service and users are now notified faster when a problem arises, improving resolution times.

MIT SLOAN - Mobile Innovation Group — Cambridge, MA
Undergraduate Researcher — Mar - Aug 2013
- Implemented data collectors for mobile applications and a load balancer for the collectors.
- Moved the codebase to GitHub and educated the team on version control and continous development.

MIT Department of EECS — Cambridge, MA
Teaching Assistant — Feb 2013 - June 2014
- Coached a problem-solving team of 8 college undergraduates in Discrete Mathematics for Computer Science and helped them grasp the material and improve mathematical proof writing.
- Managed the course's online edX learning platform and implemented automation tools for that purpose.

Akamai Technologies — Cambridge, MA
Software Development Intern - Platform Operations — Jun - Aug 2012
- Designed and implemented an online server access request system that simplified the request process.
- Delivered a fully formed web tool that allows users to more easily seek approvals and documents all approval actions.

Leadership

MIT Scandinavian Society — Cambridge, MA
Treasurer, Co-Founder — Sep 2011 - June 2014
- Founded a new student group that celebrates Nordic culture.

Interests

piano, flute, soccer, exercise, languages, traveling