

Sigtryggur Kjartansson

software engineer

about

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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

B.Sc. in Mathematics with Computer Science

Cambridge, MA
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

Software Engineer - Data Technologies

Redwood City, CA
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.

Software Development Intern - Fulfillment Technologies

Seattle, WA
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

Undergraduate Researcher

Cambridge, MA
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 continuous development.

MIT Department of EECS

Teaching Assistant

Cambridge, MA
Feb 2013 - Jun 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

Software Development Intern - Platform Operations

Cambridge, MA
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

Treasurer, Co-Founder

Cambridge, MA
Sep 2011 - Jun 2014

- Founded a new student group that celebrates Nordic culture.

Interests

piano, flute, soccer, exercise, languages, traveling