

# Sam Ling

Software Engineer, Full-stack

Seattle, Washington

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## HIGHLIGHTS

- Experienced with HTML, JavaScript/Node.js, React, TypeScript, CSS
  - Proficient with Java, Kotlin, SQL/NoSQL, Bash; knowledge of C/C++
  - Advises system designs and lead engineer for full-stack projects
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## WORK EXPERIENCE

### Software Engineer | Airbnb

Seattle, WA, USA | Apr 2019 - May 2019

- Designed, implemented, and maintained translation flow for localizing article contents
- Contributed to redesign of the frontend system of Help Center
- Contributed to urgent projects in response to COVID-19 such as search optimization and cancellable trip highlights
- Pioneered and led operational initiatives such as documentation improvement and TypeScript migration

### Software Development Engineer | Amazon.com

Seattle, WA, USA | Feb 2016 - Mar 2019

- Organizational impact working on UX library used by 97% of Amazon's e-Commerce teams
- Designed and implemented the team's unique release process
- Contributed to the team's own build and deploy infrastructure
- Designed and implemented company-internal tools framework
- Designed and implemented UX A/B testing experiment with low latency impact, leading to an estimated annualised win of USD \$440 million worldwide

### Application Developer Co-op | Sybase

Waterloo, ON, Canada | Aug 2012 - Dec 2012

- Designed and implemented server automatic update workflow
- Assisted with code migration during SAP merger
- Fast integration of giant code base for client demo on multi-million U.S. Dollars contracts

### Software Tools Developer Co-op | Blackberry

Waterloo, ON, Canada | Sep 2011 - Apr 2012

- Maintained Zend Framework based internal systems
- Maintained and optimized efficiency for databases

## PROJECTS

### MentorInTech

April 2018 - May 2019 | <https://mentorintech.com>

- Led the front-end team in developing large-scale React web application
- Designed and implemented complex and reusable components
- Assisted back-end team in infrastructure and database systems designs

### User Input Genuity Experiment

Nov 2015 - Dec 2015 | <http://bit.ly/2DSmkIL>

- Designed and implemented the back-end system using Node.js and MongoDB
- Designed and implemented the front-end user experience, including user tracking (<http://bit.ly/2nwwinY>)

### Applyte

Jun 2015 - Jun 2016

- Designed and implemented the back-end system using Node.js and RethinkDB
- Designed and implemented security flow for an API-centric web application
- Contributed to front-end designs and prototypes
- Coordinated developers to assist in development

### Human-Computer Interaction - Work Redesign Project

May 12 - Jul 2012 | <http://bit.ly/2nqNOL8>

- Practised contextual design and analysis
  - Redesigned interface and interactions for existing records management system
  - Redesigned subjects' work flow and improved work efficiencies with modern technology
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## EDUCATIONS

### Master of Science in Computer Science | Purdue University

West Lafayette, IN, USA | Jan 2014 - Dec 2015

### Bachelor of Honours Computer Science Co-op | University of Waterloo

Waterloo, ON, Canada | Sep 2008 - Jun 2013

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## ACTIVITIES AND INTERESTS

- Develop small programs that make life easier
- Experiment different kinds of design styles on software and web pages
- Improvise and compose piano pieces
- Travel around the world and admire the architectures
- Stock market speculation (extremely amateur)