Sam Ling

Software Development Engineer, AmazonUI
Amazon.com

Seattle, Washington, USA
sam@thling.com | http://thling.com

HIGHLIGHTS

- Experienced with HTML, JavaScript (ES6/Node.js), React, TypeScript, CSS
- Proficient with Java, Kotlin, C/C++, SQL/NoSQL, Bash
- Consultant in infrastructure designs and lead engineer for full-stack teams

WORK EXPERIENCE

Software Development Engineer | Amazon.com

Seattle, Washington, United States of America
February 2016 - Present

- Organisational 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

Graduate Student Assistant | Purdue University

West Lafayette, Indiana, United States of America
January 2014 - Present

- Maintained and contributed to HUBzero platform and Purdue University Research Repository
- Designed and implemented OAI-ORE compliant linked data generator for machine-readable metadata
- Administered virtual servers for the Purdue University Research Repository Lab
- Developed versatile scripts for automatic video rendering for data curation (https://purr.purdue.edu/content/article?id=66)

Application Developer Co-op | SAP (formerly Sybase)

Waterloo, Ontario, Canada
August 2012 - December 2012

- Designed and implemented server automatic update workflow
- Designed and implemented automatic software deployment using various scripting languages
- 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 (formerly RIM)

Waterloo, Ontario, Canada
September 2011 - April 2012

- Maintained Zend Framework based internal systems
- Maintained and optimized efficiency for databases
- Designed and implemented core modules for critical needs
- Created a suite of development assistive server scripts

Spectroscopy Software Developer Co-op | P&P Optica

Kitchener, Ontario, Canada
May 2010 - August 2010; January 2011 - April 2011

- Designed database schemas and developed database management tools
- Implemented instant search for database objects
- Implemented graphing library for visualizing spectral data
- Designed user interfaces and interaction for several software

PROJECTS

MentorInTech | https://mentorintech.com
April 2018 - Present
- 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 | http://bit.ly/2DSmkIL
November 2015 - December 2015
- Designed and implemented the back-end system using Node.js and MongoDB
- Developed a project webapp soley within 1 month (http://bit.ly/2nwwinY)

Applyte
June 2015 - June 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 | http://bit.ly/2nqNOL8
May 2012 - July 2012
- 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

---

EDUCATION

Master of Science in Computer Science | Purdue University
West Lafayette, Indiana, United States of America
January 2014 - Deccember 2015

Bachelor of Honours Computer Science Co-op | University of Waterloo
Waterloo, Ontario, Canada
September 2008 - June 2013

ACTIVITIES AND INTERESTS

Technology Related
- Develop small programs that make life easier
- Get astonished by mobile systems and cloud technologies
- Experiment different kinds of design styles on software and web pages

Others
- Improvise and compose piano pieces
- Study foreign languages and classical music
- Travel around the world and admire the architectures
- Stock market speculation (extremely amateur)