

# Mary Rose Cook

[maryrosecook.com](http://maryrosecook.com)  
[github.com/maryrosecook](https://github.com/maryrosecook)  
[twitter.com/maryrosecook](https://twitter.com/maryrosecook)

(510) 365-7306  
[mary@maryrosecook.com](mailto:mary@maryrosecook.com)  
US work permit holder

823 Tenth Avenue  
Redwood City, CA, 94063

## EMPLOYMENT

---

**Project Lead, Engineer, Senior Coach**      [Makers](#)      April 2016 - April 2019

- Led a team that built a web app to automate our application process.
- Coached 100 bootcamp students to their first dev jobs. Ran course, designed curriculum, coached.
- Introduced metrics that significantly improved our education and sales approaches.
- Overhauled introductory curriculum to ensure every student began with solid basic programming skills.
- **Technologies** - JavaScript, Node.js, React, Express.

**Coach, Developer**      [The Recurse Center](#)      March 2013 - December 2015

- Coached many developers at this code retreat. Reviewed code, ran seminars, guided learning.
- Made [Code Lauren](#), a web-based IDE for making video games ([demo video](#)). Created programming language, bytecode compiler, rewindable virtual machine.
- [Ported](#) Git to JavaScript. Wrote 6,000 word [essay](#) about Git internals.
- Created [Isla](#), a programming language for children. Wrote the compiler in Clojure.
- My personal projects hit #1 on Hacker News five times.
- **Technologies** - JavaScript, Clojure, Python, Node.js.

**Engineer (contractor)**      [Khan Academy](#)      August 2012 - March 2013

- Created some of the first tutorial JavaScript programs for their online, interactive code editor.

**Engineer**      [Pusher](#)      May 2011 - May 2012

- Wrote scalable code to help send millions of push messages a month.
- Helped implement features like webhooks, peer-to-peer events, Node.js integration.
- **Technologies** - JavaScript, Ruby, Node.js.

**Web Developer**      [Ableton](#)      February 2010 - May 2011

- Worked on the web team of this software house. Added ecommerce features, did big refactors, helped build the content management system.
- **Technologies** - Python.

## EDUCATION

---

**MEng Software Engineering**      **Sheffield University, UK**      2000 - 2004

- A combined undergraduate and masters degree.
- Specialised in natural language processing and AI.
- Wrote a dissertation on my NLP project that assigned authorship to Shakespearean-era plays.

## TALKS, ESSAYS, PROJECTS

---

- [Talked](#) at JSConf about [Isla](#), my programming language for children.
- [Livecoded](#) a game from scratch at the Front Trends conference.
- Made [Code Lauren](#), an online IDE for making video games. ([Demo video](#).)
- [Implemented Git in JavaScript](#). Wrote [6,000 word essay about Git internals](#).
- Wrote essay, [A practical introduction to functional programming](#).