Tyler Hallada

Contact Information	Greater Boston Area	tyler@hallada.net
	http://www.hallada.net	https://github.com/thallada

Technical Knowledge		
Languages:	TypeScript, JavaScript, Rust, Python, Ruby, Zig, Java, CSS, Sass, Terraform, LaTeX, Scheme/Racket	
Libraries:	React, Redux, Next.js, React Native, Django, Ruby on Rails, NestJS, Relay, Electron, Express, Flask, Elasticsearch, Bootstrap, PostgreSQL, MongoDB, SQLAlchemy, Node.js, and Webpack	
Applications:	AWS services, Git, SVN, Docker, Ansible, Heroku, Jenkins, Linux, SSH, tmux, Vim	

Professional Experience

Outcomes4Me, Boston, MA **April 2020 – Present**

Staff Software Engineer TypeScript, JavaScript, React Native, NestJS, Next.js

Direct-to-patient digital platform that gives users the clinical, evidence-based knowledge, tools, and options to navigate through breast cancer treatment and care.

- Led the development of a web app that enabled providers to find relevant clinical trials for patients and allowed clinical research coordinators to manage and edit trial data on the site.
- Led the development of a new Community feature within the mobile app for patients to talk to other patients with the same diagnosis.
- Created a data pipeline for automatic ingestion and NLP categorization of breast cancer news.
- Led a team of junior engineers on the development of the company's patient-facing web app.
- Developed a medication and regimen tracking feature in the React Native mobile app.

Consider, Boston, MA **June 2018 – March 2020**

Software Engineer Ruby on Rails, JavaScript, React, Relay, GraphQL, React Native, Electron, Elasticsearch, Flow

Worked with team of five engineers to build Email 2.0 for work. An email client with the best features of modern apps like Slack, but for synchronous communication on your own terms. I design and implemented the Elasticsearch backend for the search feature, synchronized data over IMAP and Google APIs, made bug fixes to Slate, an open-source editor library, and I worked on major refactors to support shared company emails.

edX, Cambridge, MA **June 2016 – June 2018**

Software Engineer Python, Django, JavaScript, Backbone, React, Redux, Webpack, Linux

Developed edX Insights, an analytics dashboard for aggregate learner data used by course teams on one of the largest MOOC providers used by millions of learners across the world.

Kyruus, Boston, MA **May 2014 – May 2016**

Software Engineer Python, Django, Flask, Jenkins, Elasticsearch, JavaScript, CSS, HTML5, Linux

Developed applications and infrastructure to make healthcare in the US more efficient. Created major features, implemented new applications, fixed various bugs, and monitored data integrity across the whole stack of the web platform used by some of the top health systems in the US.

MIT Media Lab, Cambridge, MA **June 2013 – May 2014**

Undergraduate Researcher JavaScript, CSS, HTML5, Linux

Designed and implemented new user interface concepts for a projected augmented reality system called LuminAR including a touch-based desktop, a projected ruler, a tech demo, and a copy-paste app for physical documents.

Zulip (acquired by Dropbox), Cambridge, MA **December 2012 – January 2013**

Software Developer Intern Python, JavaScript, Java, Android

Developed various parts of a business communications web app in JavaScript. Interfaced with internal and third-party APIs to develop an Android app. Created automated tests for various interface elements in JavaScript.

Valti, Cambridge, MA **May 2012 – December 2012**

Software Engineer Python, Django, JavaScript, Facebook API, Heroku

Led the backend development of an online rental platform with a Harvard startup in less than three months.

Education

Northeastern University, Boston, MA **Fall 2013 – Fall 2015**

College of Computer and Information Science GPA: 3.43/4.0

Bachelor of Science in Computer Science Activities: Member of NUHacks & NUACM

George Mason University, Fairfax, VA **Fall 2011 – Spring 2013**

Volgenau School of Engineering and Honors College GPA: 3.41/4.0

Candidate for a Bachelor of Science in Computer Science with a Minor in English (transferred)

Interests/Hobbies

Running, Swimming, Camping & Hiking, Computer Generated Art, Video Game Modding, Raspberry Pi Hacking, Self-Hosting, and Machine Learning