Tyler Hallada

Contact Information

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

Technical Knowledge

Languages: Python, Ruby, JavaScript (ES6/TypeScript/Flow), Rust, Java, CSS, Sass, LaTeX, Scheme/Racket, Coffeescript, and HTML5

Libraries: Django, Ruby on Rails, React, Redux, Relay, React Native, Electron, Flask, Elasticsearch, Bootstrap, PostgreSQL, MongoDB, SQLAlchemy, Backbone, Node.js, Webpack, and jQuery

Applications: AWS services, Git, SVN, Docker, Ansible, Heroku, Jenkins, Linux, SSH, tmux, and Vim

Professional Experience

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.

- Designed and implemented a new Elasticsearch backend and search UI in the Consider app.
- Created services to synchronize labels, stars, and calendar events between Google and Consider over IMAP and Google APIs, and created new UI to display and filter on the data.
- Developed advanced editor features like link inserting and emoji auto-completion and contributed bug fixes to Slate, the open-source library the custom editor is built on.
- Re-architected data schema to support Groups, a new feature enabling shared company emails.
- Ported our React Native app to Android.

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. Re-architected parts of Studio, the tool used by course teams to create interactive online courses. Created an automated email service that increased engagement across all self-paced edX courses by 30%.

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)

Organizations

GMU's Student-Run Computing and Technology club (SRCT) — **Spring 2012 – Present**

Co-founded a group that enhanced student computing and produced websites valuable to the Mason community.

Interests/Hobbies

Running, Swimming, Camping & Hiking, Creative Writing, Computer Generated Art, and Raspberry Pi Hacking