

Tyler Hallada

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http://www.hallada.net https://github.com/thallada

Technical Knowledge **Domains:** Consumer & Enterprise websites, Web apps, APIs, Microservices, Developer tools, Test automation, Healthcare tech, Education tech, Web accessibility, Interface design, and Android
Languages: Python, JavaScript, Rust, Java, CSS, Sass, L^AT_EX, Scheme/Racket, Coffeescript, and HTML5
Libraries: Django, React, Redux, Flask, Elasticsearch, Bootstrap, PostgreSQL, MongoDB, SQLAlchemy, Backbone, spaCy, Node.js, Webpack, and jQuery
Applications: Git, SVN, Docker, Ansible, Heroku, Jenkins, Google Analytics, Linux, SSH, tmux, and Vim

Professional Experience **edX**, Cambridge, MA **June 2016 – Present**
Software Engineer Python, Django, JavaScript, Backbone, React, CSS, HTML5, Linux

- Developed edX Insights, an analytics dashboard for aggregate learner data used by course teams.
- Re-architected Insight's frontend build system with Webpack and a CloudFront CDN.
- Created an automated email service that increased engagement across all self-paced edX courses by 30%.
- Created the first independent React & Redux project at edX, studio-frontend, which re-implemented frontend pages in edX Studio to improve the UX for course creators and increase developer efficiency.
- Developed components for Paragon, edX's accessible frontend component library.
- Worked with a remote team to diagnose and fix critical bugs affecting edX's production websites.
- Helped members of the open source community install and diagnose problems with Open edX instances.

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. Directed and collaborated with other developers to create a functional, slick website in less than three months.

George Mason University, Fairfax, VA **January 2012 – May 2013**
Undergraduate Teacher's Assistant Python, Java
Instructed students in Java and Python programming during group labs and online forums.

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.

Boston Python Workshop **Summer 2012**
Volunteered at Python workshops empowering women of all backgrounds with practical programming skills.

Interests/Hobbies Creative Writing, Poetry, Camping, Hiking, Running, and Raspberry Pi Hacking