// SALLY HALL
Full Stack Developer

contact	sally.a.hall@gmail.com
work	sallyannahall.com
code	github.com/sallyhall

TECH

programming	Ruby, Python, JavaScript, Arduino
frameworks	Rails, AngularJS, jQuery, RSpec
styling	HTML5, CSS3, Sass
tools	AWS, Ansible, Git, GitHub, Active Record, MySQL
process	Agile methodology, Scrum

EXPERIENCE

software engineer   PLOTWATT   // June 2017 - Present
- Refactor legacy Python app into services in Rails and Python
- Design, develop and test new full stack features including Angular front-end, Rails API, and Python data processing
- Write and maintain Ansible playbooks to deploy apps and services to AWS nodes
- Analyze and manipulate data using MySQL and ActiveRecord
- Diagnose and fix bugs reported by internal and external customers
- Document new features, processes, and critical bug fixes for engineering team and internal customers

innovation co-lab developer / educator   DUKE UNIVERSITY   // Oct 2016 – June 2017
- Led team of student developers to write and update APIs for Duke University web applications, developing technical plans and providing programming mentorship and code reviews
- Developed curriculum and taught introductory web development course series for Duke University students and staff
- Built, implemented, and monitored Internet and connected-hardware devices to collect lab use data to assist in program development

product engineer   THE IRON YARD   // Feb 2016 – Sept 2016
- Architected and rebuilt legacy JavaScript site as a Rails application
- Designed, built, and tested RESTful APIs
- Built new features for internal and consumer-facing products
- Wrote integration tests for existing and new features

regional campus director	*THE IRON YARD* // *Jan 2015 – Oct 2015*

regional campus director

THE IRON YARD // *Jan 2015 – Oct 2015*
- *Provided mentorship to Campus Directors across South Carolina*
- *Coordinated job placement programs with campuses across the state*
- *Partnered with local and national organizations to expand access to kids' programming classes*

campus director

THE IRON YARD // *Jan 2014 – Jan 2015*
- *Established organization's presence in a new market, including recruiting an Advisory Board of technology companies, establishing hiring partner relationships, and marketing in the community*
- *Managed curriculum development for and coordinated The Iron Yard's first corporate training teaching BenefitFocus employees Backbone*
- *Consulted with Advisory Board members to update programming curriculum to reflect local engineering hiring needs*
- *Managed full-time technical instructors, part-time teaching assistants, and interns, as well as mentored over 100 students through the course and development career searches*

scrum master

SPARC // *June 2012 – Feb 2014*
- *Facilitated three software development teams delivering timely, quality software in two week cycles, communicating progress, risk, and impediments to multiple stakeholders through regular reports*
- *Coordinated work between multiple distributed development teams and outside stakeholders to manage interdependencies*
- *Assessed, refined, and documented development processes*

scrum master / auto. test engineer

HAWKES LEARNING SYSTEMS // *May 2010 – June 2012*
- *Led distributed development team through transition to Scrum*
- *Managed international team of programmers to create calculation templates in Excel for use in automated tests*
- *Created and implemented a testing plan enabling the team to test more thoroughly and ship earlier than in previous releases*
- *Created a parser to extract parameters from any question from 13 math instructional software titles covering topics ranging from basic mathematics to calculus and statistics*

cryptographic vulnerability analyst

NATIONAL SECURITY AGENCY // *Aug 2006 – June 2007*
- *Evaluated the security of commercial and government communications products*

EDUCATION

front end engineering	*THE IRON YARD, Charleston, SC // Jan 2015*
ms, information science	*UNIV OF NORTH CAROLINA, Chapel Hill, NC // May 2010*
ba, mathematics	*SWARTHMORE COLLEGE, Swarthmore, PA // June 2006*
computer science	*JOHNS HOPKINS UNIVERSITY, Baltimore, MD //2007* *Graduate coursework*
mathematics and computer science	*BUDAPEST SEMESTERS IN MATHEMATICS, Budapest, Hungary // 2005* *Study Abroad*