

Casey S. Watts

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Education

Yale University	New Haven, Connecticut
Bachelor of Science in Psychology, Neuroscience Track	2008 - 2012
Co-author on four behavioral neurobiology publications	details on PubMed
Community College of Baltimore County	Baltimore, Maryland
Object Oriented Programming Certificate	2003 - 2008
Kenwood High School	Baltimore, Maryland
International Baccalaureate Diploma, Valedictorian	2004 - 2008

Work Experience

Senior Developer, Heroku	2016-present
Work closely with product and design. User research, use cases, design iteration.	heroku.com
Develop applications in Ember and JavaScript. Use SPA best practices.	
Senior Developer, Continuity	2015-2016
Work closely with product and design. Design iteration, information architecture.	continuity.net
Develop applications in Ruby on Rails and JavaScript. Remote pair programming.	
Program Manager, Student Developer & Mentorship Program	2014-2015
Manage 25 students who develop 10 applications, web and mobile.	yalestc.github.io
Manage clients. Requirements gathering and feature prioritization.	
Coordinate hackathons, lecture series, workshop series, collaboration with community groups	
Lead Instructor, Yale Entrepreneurial Institute Tech Bootcamp	2014, Summer
Teach full-stack web development course using Ruby on Rails.	yei.yale.edu/tech
30 students new to programming, in a 10-week full-time immersive program.	final projects
Program Manager, Student Tech Program	2012-2014
Manage 150 students providing complete hardware & software support for 6000.	yale.edu/stc
Trained 100 students/year to repair computers. 20% Dell or Apple certified.	
Created 7 committees involving 10 students each. Huge catalytic effect on innovation, with no additional hours needed from management.	
Director of Patient Services, HAVEN Free Clinic	2011-2013
Provide free primary care for patients without health insurance.	havenfreeclinic.org
Manage a team of 15 volunteers, 3 per Saturday. Scheduling patient appointments, primarily in Spanish.	
Helped implement EPIC healthcare record system, trained Patient Services department.	
Student Developer Team Lead, Student Technology Collaborative	2008-2012
Manage & develop applications in Ruby on Rails and JavaScript.	http://yale.edu/stc

Projects

Neurobiologist's Guide to Mind Manipulation

caseywatts.com/mindmanipulationvideo

Presentation on applying behavioral psychology ideas to yourself and to your teams to make them happier and more effective. Given 15+ times to audiences of up to 800 people.

GraphvizREPL

graphvizrepl.com

Realtime text-to-diagram collaboration. Using Etherpad for realtime text collaboration, and Graphviz for text-to-diagram rendering.

Continuity Control

Helps compliance officers in small banks and credit unions coordinate compliance efforts within their organization. Large Rails application with backbone.

CardSwipr

github.com/YaleSTC/cardswipr

Keeps track of who has attended an event using their Yale ID card. Small, simple application in Ruby on Rails. Interviewed groups with similar system to see how this app might meet their needs. Worked with central ITS to expose [card-swipe \leftrightarrow identity] as a web API.

YaleLDAP Gem

github.com/YaleSTC/yaleldap

Greatly simplifies connection to Yale's LDAP Server. Well documented, 4.0 on Code Climate.

Reservations

yalestc.github.io/reservations

Manages the loaning and reservation of equipment items. Used by ~14 groups on campus to manage 10,000's reservations of 100's of equipment items. Large, stable, well-tested application in Ruby on Rails.

Shifts

yalestc.github.io/shifts

Coordinates where and when employees work. Employees sign themselves up, swap shifts, are held accountable. Manages payment. Used by ~7 groups to manage ~400 employees. Large, difficult legacy application. Going through massive Rails 2 => Rails 3 upgrade.

Yale Wiki, Haven Free Clinic Wiki, Student Technology Collaborative Wiki

yalewiki.org

Helps people share information and collaborate, especially long-term. Editable by anyone affiliated with the group. For *YaleWiki.org*, >50,000 views/year by a population of <5,000. Information architecture, server administration, MediaWiki with custom plugins.

Collaboration Tips & Tricks Collection

[Presentation on YouTube, Notes](#)

Curated resources used to improve team collaboration

Skills & Specialties

Some Specific Skills

Ember.js, ESNext (ES6+), Ruby on Rails, web components, React, Vue.js, Backbone.js, Angular.js, Progressive Web Applications, Electron Apps, browser extensions

Values

Sharing best practices, communication and collaboration, in-person feedback from users, setting appropriate expectations, open team communication and collaboration, issue prioritization, incremental improvement, pair programming, code review, testing.