John Williams

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Experience

Investment Management Operations Analyst – Highly Specialized

State Street Bank | Boston | August 2016 — January 2017

Designed and developed a prototype web application addressing a politically sensitive business issue. Led design, front end development, application architecture, and stakeholder relations on a two-person skunkworks team.

Web Developer

Testive Inc | Boston | July 2015 — December 2015

Architected and rewrote core components and established new best practices for the front end application. Fixed longstanding bugs and added features across the full stack.

Cofounder – Field Team Leader

LAN Academy Inc | India, Boston | April 2012 — August 2014

Recruited and led volunteer teams to design, develop, and install offline educational software in rural India and Micronesia.

Projects

Culture of Code

Designed and taught a semester-long course exploring the technical world by understanding the people who make it happen.

Hypermapper

Command line analysis tool for collection (web scraping), cleaning, and visualization of hyperlink networks. (node.js, levelgraph db)

Urban Autonomous Delivery Visualization

Visualization for waste collection route optimization built with Mapquest APIs. **City Service winner** at MIT Disrupting Mobility Hackathon. (d3, leaflet)

Khan Academy on a Stick Generator

Command line Khan Academy browser, downloader, and static-site generator for offline learning. (node.js)

Your NEU

Chrome extension that injects an attractive, usable interface on top of the Northeastern University student portal. (angular)

Education

Northeastern University

Boston | 2012 — 2017

Candidate for BS in Political Science

Minors in Computer Science & Global Social Entrepreneurship

Directed research on the user experience of digital learning environments

Dean's Scholarship, Honors Program, Political Science National Honors Society, Presidential Global Scholar. **3.51/4.00 GPA**

Technical

Languages

HTML/CSS/JS, ES6, Typescript, Node.js, Python, React, Angular, Racket, Bash, RegExp

Design

Qualitative Research, Information Architecture, Sketch.app

Volunteering

Hackathon Mentor (International Development Hack)

Molding/Casting Intern (MIT Center for Bits and Atoms)

Machine Shop Assistant (MIT D-Lab)

Nonprofit Advisor (W.I.S.E., Others)

Club Board Member (NU Hacks, Social Enterprise Institute Student Association)

Instructor/Teacher (Often)

Interests

Organization-Computer Interactions, HCI, Explorable Explanations, FRP, Incentive Structures, State/Capacity Building, 21st Century Organizations