

Jack Wines

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About

Passion for technology. Commitment to working on meaningful projects that contribute to democratization of information, privacy, open source, social mobility, open internet, encrypted communications, and helping create more fair digital access. Skilled software engineer with the ability to match the right tools with needs and requirements in an efficient and elegant way. Experienced in building and testing a Monte Carlo simulation in Java for projections. I love getting into the weeds and taking large bites out of large problems. Growing up, I spent ≈ 5 years each in Moscow, Johannesburg, and Beijing.

Education

B.S. in Computer Science Carleton College Graduated 2018

Classes of Note: Natural Language Processing, Computer Security, Networks and Communication, Evolutionary Computation, Graphics, Advanced Algorithms, Algorithms, Programming Languages, Software Design, Operating Systems, Computability and Complexity, Organization and Architecture, Applied Regression Analysis

Experience

Associate Software Engineer Fidelity Investments 2019-2021

Completed the LEAP 4 month program for industry programming. Accepted into the Financial Projections team. Added validation and authentication services. Implemented necessary changes to methodology on a RESTful webservice used by several front-end teams and calling several other services for relevant calculations. Co-wrote system to canary-test all technologies underlying support for entire planning advice platform, including financial projections, aggregation, reference data, health care, and life events.

Senior Capstone Project Carleton College 2017-2018

Built system, as part of a team of four, for Northfield Union of Youth, a drop-in center for at-risk youth. The center's director needed tracking software for a range of requirements including attendance, activity participation, and staff comments. The purpose was to replace manual tracking, provide information to design improvements and enable leadership to extend funding with statistical evidence of results. Our team built a user-friendly front-end, a Python back-end to collect and store information, a Javascript visualization library to display all underlying data from the PostgreSQL database.

Teaching Fellow LaunchCode Summer 2017

Oversaw first introductory online class in programming (Python). Responsible for over 100 students along with three other instructors. Staffed the drop-in center where students came for in-person support.

Web Designer

Contractor

Summer 2016

Designed a static website for select Democratic candidates for federal office using Dreamweaver.

Technology consultant

Harmonay Marketing Inc

Summer 2015

Organized data of former and current clients. Managed incoming leads and coordinated all social media.

Teaching Assistant

Scarsdale High School

2013-2014

AP Computer Science, Scarsdale, NY.

Skills/Interests

Programming Languages: Haskell, Java, C, C++, Python, Typescript, JavaScript.

Technologies: Angular, PostgreSQL, AWS (EC2, Route 53, S3), HTML/CSS/Less.

Project Euler: An online repository of computer science problems (80+ completed).

Personal Projects: Projects of note include a [Go board that works over WebSocket](#), a clone of the mac app [Quicksilver](#), and a [terminal UI for the forum software Discourse](#).