Carolyn Saund

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Personal website carolynsaund.me

EDUCATION

Tufts University *Majors: Computer Science, Cognitive Science* (September 2011 - Present)
University of Canterbury, New Zealand *Study Abroad* (Summer - Fall 2013)
Relevent Courses *Machine Learning (and Advanced Topics in Reinforcement Learning), Statistics, Artificial Intelligence, Machine Structure and Assembly Language Programming, Algorithms, Human-Computer Interaction, Linear Algebra, Programming Languages, Web Programming*

SKILLS

Thorough knowledge of C, C++, Python.
Experience in Javascript, LISP, Golang, Java, SQL
Comfortable in Linux environments
Comfortable using both SVN and git
Exposure to writing hadoop mapreduce jobs

EXPERIENCE

Backend Development Spotify Summer 2014
Full-stack development of internal desktop application including user testing and developing a test suite to integrate into Spotify system. Implemented string edit distance (Levenshtein formula) to determine dissimilarity in songs. Front-end development of user-facing mobile application. Exposure to using HDFS, Jenkins, and S3.

Teaching Assistant Tufts University Spring 2012 - Present
Teach computer and laboratory skills to students in classes. Hold office hours for additional instruction outside of usual class hours. Evaluate assignments and projects to assess progress and assign grades. Participate in designing course syllabus and projects.

LEADERSHIP AND COMMUNITY SERVICE

President Women in Computer Science Spring 2014 - Present
Coordinated logistics of conferences, speakers, hackathons, and regular meetings for women in our Computer Science department. Organized hack-days, tutoring sessions, and one-on-one peer meetings to foster community. Wrote club constitution and treasury statement to gain university recognition.

Instructor Girls Computer Club Summer - Fall 2013
Canterbury, New Zealand
Led middle-school aged girls through coding skill tutorials, developed and deployed curriculum to encourage programming as an exploratory tool (designed syllabus still in use), arranged presentations by CS department and community about relevent research

Vice President of Academic Development Spring - Fall 2012
Alpha Omicron Pi (Sorority)

Gold Award Girl Scouts of America Spring 2011

EXTRACURRICULAR ACTIVITIES

Built a "roomba for gardens" called waterbot using genetic algorithms (code at github.com/csaund)
I enjoy learning game strategies by writing AIs (Chess, Go, Tetris)
I have worked abroad on a farm and have enjoyed travelling by myself for months at a time.