Carolyn Saund

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EDUCATION

TUFTS UNIVERSITY
BSc in Computer Science,
Brain and Cognitive Science
May 2015 | Somerville, MA

UNIVERSITY OF CANTERBURY
BS in Computer Science
June 2013 - Jan 2014 |
Christchurch, NZ
College of Engineering
GPA: 4.0 / 4.0

COURSEWORK

UNDERGRADUATE
Advanced Topics in Machine
Learning
Computational Models of Cognitive
Science
Stochastic Systems
Linear Algebra
Machine Architecture and Assembly
Advanced Topics in Artificial
Intelligence
Programming Languages
Computational Theory

CONTINUING
Advanced Seminar in Cognitive
Architectures
Neural Networks for Machine
Learning

SKILLS

LANGUAGES
Over 5000 lines:
Javascript • Python • C
C++ • Java
Over 500 lines:
LISP • CSS • HTTP • R

WORKFLOW/FRAMEWORKS
git/github • NodeJS • React •
SVN •
Unix/Linux • Jenkins/TDD • CI
releases
Stash • Phabricator/arcanist •
Gradle
MongoDB • Electron

EXPERIENCE

COGITO

Platform Team Lead
Jan 2018 - August 2018 | Boston MA
- Managed Agile team of 10 engineers
- Oversaw top-to-bottom implementation of three major user-facing features

Senior Software Developer
August 2017 - Jan 2018 | Boston MA
- Originally Implemented and manage release pipeline.
- Full-stack development of Role-Based User Management (RBUM) APIs.

JIBO
Robot SDK Engineer
May 2015 - Dec 2016 | Boston, MA
- Employee 20(/110) Designed a series of tutorials from "Getting Started" to advanced usage still used to onboard internal and external developers.
- Architected data APIs for dev tools to manage robot sensory input from cameras and microphones.
- Implemented frontend UI and developer interfaces to build high-level skills.
- Won first company culture award for "outstanding cultural contributions."

Character AI Engineer
Jan 2017 - August 2017 | Boston, MA
- Designed and implemented robotic bi-axial Emotion System and corresponding impacts on robot behavior.
- Single-handedly architected and maintained robot listening pipeline (main interface for interaction).

Software Consultant
August 2017 - Present | Boston, MA
- Continuing work to rearchitect APIs in cloud-based architecture

SPOTIFY
Software Engineering Intern
May 2014 - Sep 2014 | NY, NY
- Full stack development of internal desktop application.
- Developed web APIs and GUI for music annotation tools

PROJECTS
DROSOPHILA
- Designed and programmed arduino "badge" with genetic algorithms for LED display to recombine when near another badge.

THE NEURON
- Programmed LED strips around metal sculpture to respond based on microphone input, compute audio intensity threshold, and "fire" another LED strip with enough sound intensity.

LEADERSHIP AND COMMUNITY SERVICE

CAMBRIDGE INVENTORS CLUB | Volunteer
Jan 2016 - Present | Cambridge, MA
Work with children age 8-13 on engineering fundamentals, such as iterative design, retrospectives, and cooperation

BOSTON ULTIMATE DISK ALLIANCE | Coach
March 2016 - Sept 2016 | Jamaica Plain, MA
First coach on new high school girls team, focused on empowering women in the Boston ultimate community

GIRLS WHO CODE | Instructor
Sept 2015 - June 2016 | Belmont, MA
Instructed three levels of middle- and high-school aged students from introduction to basic data strcutures. Supplemented given course materials with additional lesson plans to emphasize CS fundamentals.

WOMEN IN COMPUTER SCIENCE | President
Jan 2013 - Jan 2015 | Somerville, MA
- Coordinated logistics of club hackathons, speakers, and outreach.
- Led executive board in creating WiCS mission and club constitution.

EXTRACURRICULARS

AWARDS
- Culture Award (First Recipient) | Jibo Inc. Award for outstanding cultural contributions to the company.
- Girl Scout Gold Award | Highest Honor of Girl Scouts of America

PUBLIC SPEAKING APPEARANCES
- SXSW, Robot Petting Zoo (presentation & booth)
- Women Engineers who Code Conference, (technical workshop & imposter syndrome seminar)
- Lesbians Who Tech, presentation on emotional future of robotics
- Boston ML Meetup, presenter on Innovations in Human-Computer Interfaces
- MLHack Championships, (technical presentation & hackathon judge)
- Tufts WICS Conference, Alumni Pannel

MEMBERSHIPS & ACTIVITIES
Current
- Cognitive Science Society
- Project Management and Leadership Book Group
- AI and Technological Futurism Book Group (Organizer)
- Div II Ultimate Frisbee (Captain)

Former (Undergraduate)
- Vice President of Academic Development, Alpha Omicron Pi
- Tufts Mountain Club, Trip Coordinator
- Midnight Judges Jazz Combo