

September 17, 2018

Last Updated on 17th September 20

Carolyn Saund

carolynsaund.me
carolyn.saund@gmail.com | +44.759.557.9616

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

LINKS

Github:// [csaund](#)
LinkedIn:// [carolynsaund](#)

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
Ongoing Management Training

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/arc4n1st • Gradle
MongoDB • Electron

EXPERIENCE

COGITO

SENIOR SOFTWARE DEVELOPER

August 2017 - Present | Boston MA

- Originally Implemented and manage release pipeline.
- Full-stack development of Role-Based User Management (RBUM) APIs.

SENIOR SOFTWARE DEVELOPER

August 2017 - Present | 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

TUFTS UNIVERSITY

TEACHING ASSISTANT, COMPUTER SCIENCE

Jan 2012 - Jan 2015 | Somerville, MA

- Data Structures, Machine Architecture, Machine Learning
- Taught theory and laboratory skills to students with wide range of abilities.

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 structures. 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 Panel

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

Misc.

- 20+ countries visited
- WWOOF Worker (Germany)
- Avid century bike-rider and marathoner