

Carolyn Saund

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EDUCATION

MSC RESEARCH METHODS IN PSYCHOLOGY

UNIVERSITY OF GLASGOW |
GLASGOW, UK
Sept 2019 (Expected)

BSC COMPUTER SCIENCE, BRAIN AND COGNITIVE SCIENCE

TUFTS UNIVERSITY | SOMERVILLE,
MA, USA
UNIVERSITY OF CANTERBURY |
CHRISTCHURCH, NZ
May 2015

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

Fluent
Javascript • Python • C
C++ • Java • R
Familiar
LISP • CSS • HTTP • Go

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
- Hired and onboarded three product managers, including one for another software team.
- Acted as Scrum master leading agile rituals (standup, planning, retro).
- Implemented and managed release pipeline, and later trained release manager.

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

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).

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."

SOFTWARE CONSULTANT

August 2017 - Dec 2017 | Boston, MA

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.

TALKS & MEMBERSHIPS

CONFERENCES AND PRESENTATIONS

- Women Engineers Code - Abstraction and API Design
- Women in Technology - Imposter Syndrome
- Lesbians Who Tech - Presentation on emotional future of robotics
- Boston ML Meetup - Human-Computer Interfaces
- Tufts WICS Conference, Alumni Panel

WORKSHOPS

- SXSW - Getting started with social robots
- MLHacks - Jibo SDK & App design for social robots

MEMBERSHIPS & ACTIVITIES

- Cognitive Science Society
- Biologically Inspired Cognitive Architectures Society
- British Psychological Society
- British Computing Society
- University of Glasgow Robotics Society
- University of Glasgow FemEng Society

LEADERSHIP AND COMMUNITY SERVICE

UNIVERSITY OF GLASGOW PSYCHOLOGY DEPARTMENT | ATHENA SWAN COMMITTEE MEMBER

Oct 2018 - Present | Glasgow, UK

- On Student committee for department Athena SWAN chapter.
- Designed and implemented initiatives to encourage students to become STEM Ambassadors.
- Implemented metric gathering mechanism to track demographics of seminar and workshop participation.
- Collaborated with sociology department on evaluation metrics and surveys to ensure validity of efficacy reports.

UNIVERSITY OF GLASGOW PSYCHOLOGY DEPARTMENT | STUDENT REPRESENTATIVE COUNCIL

Sept 2018 - Present | Glasgow, UK

- Gathered feedback on courses, program structure, and student experience.
- Participated in Student Council meetings to represent program cohort.
- Collaborated with faculty and staff on program and messaging improvements.

TUFTS UNIVERSITY COMPUTER SCIENCE DEPARTMENT | 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.

STEM AMBASSADORS | VOLUNTEER

Oct 2018 - Present | Glasgow, UK

- Participate in career talks and robotics demos for high schoolers.
- Facilitate and mentor high school robotics team.

COGITO CORPORATION | RESILIENT CODERS COORDINATOR & MENTOR

Jan 2018 - July 2018 | Boston, MA

- Cogito corporate sponsor and technical mentor for Resilient Coders – an organization which trains non-traditional background adult students to become software developers.
- Developed a 8-week "boot camp" curriculum for two apprenticeships.
- Trained apprentices in software development practices, and in presenting to company.

CAMBRIDGE INVENTORS CLUB | ORGANIZER & CO-COORDINATOR

Jan 2016 - June 2018 | Cambridge, MA

- Worked with children age 8-13 on engineering fundamentals, such as iterative design, retrospectives, and cooperation