Carolyn Saund

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EDUCATION

MS RESEARCH METHODS IN PSYCHOLOGY

University of Glasgow | Glasgow, UK
September 2019 (Expected)

B.S. 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

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

RESEARCH

MSC, RESEARCH METHODS IN PSYCHOLOGICAL SCIENCE

Sept 2018 - Sept 2019 (Expected) | Glasgow, UK
Supervisors: Philippe Schyns & Stacy Marsella

- Design of bodily gesture system for virtual humans to compare naturalness of accompanying speech patterns and consequential efficacy of communication.
- MEG analysis of decision making data for use in determining information integration areas in the adult human brain.

METHOD AND TECHNIQUE PROFICIENCIES

- Fluency in statistical processing using R, SciPy, and Pandas
- Familiarity with deep learning libraries and implementation techniques, including TensorFlow, Theano, Hadoop
- Trained in MEG and fMRI imaging techniques

WORK 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 Engineer

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

- 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.

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 - December 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

AWARDS & APPEARANCES

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
- Cognitive Science Society
- Biologically Inspired Cognitive Architectures Society
- British Psychological Society
- Project Management and Leadership Book Group
- AI and Technological Futurism Book Group (Organizer)
- Div II Ultimate Frisbee (Captain)

LEADERSHIP AND COMMUNITY SERVICE

RESILIENT CODERS | Corporate Sponsor and Mentor
Sept 2017 - August 2018 | Boston, MA
- Facilitated corporate sponsorship of technical training program for underrepresented communities in Computer Science.
- Mentored students technically and professionally, and was responsible for their project presentation to company at conclusion of internship

CAMBRIDGE INVENTORS CLUB | Volunteer Organizer
Jan 2016 - Present | Cambridge, MA
- Worked 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 female coach on 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.