Carolyn Saund

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EDUCATION

MSC, RESEARCH METHODS IN PSYCHOLOGY
University of Glasgow
Sept 2018 - Sept 2019 (Expected) | Glasgow, UK

BSC, COMPUTER SCIENCE, BRAIN AND COGNITIVE SCIENCE
Tufts University
May 2015 | Somerville, MA

BSC, COMPUTER SCIENCE
University of Canterbury
June 2013 - Jan 2014 | Christchurch, NZ

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
Fluent
Javascript • Python • C
C++ • Java
Familiar
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) | University of Glasgow
Supervisors: Stacy Marsella & Philippe Schyns
- Design of metaphoric 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
- Familiarity with MEG and fMRI techniques and data analysis
- Experience designing executing mTurk crowdsource experiments

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

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 Pannel

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

ATHENA SWAN COMMITTEE MEMBER | University of Glasgow Psychology Department

Oct 2018 - Present | Glasgow, UK

- On Student committee for department Athena SWAN chapter.
- Designed initiatives to encourage students to become STEM Ambassadors.
- Currently implementing metric gathering mechanism to track demographics of seminar and workshop participation.

STUDENT REPRESENTATIVE COUNCIL | University of Glasgow Psychology Department

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.

WOMEN IN COMPUTER SCIENCE PRESIDENT | Tufts University Computer Science Department

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.

GIRL GUIDING | Volunteer

Sept 2018 - Present | Glasgow, UK

- Volunteer weekly with troupe leading leadership and cooperation building skills.
- Supervise weekend trips to museums and venues around Glasgow.

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

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.