

# Curriculum Vitae

## Quincy Ryan

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## Academic Work

### Janata Lab - Ongoing

- Sole Software developer for "Brainmuse" project. [Brainmuse repo](#)
  - Integrating, refactoring, and developing multiple models of music cognition.
  - Using C++, bash, python, Jack audio framework, and other development tools.

### Neuro-Tech Davis Project manager - Ongoing

- Leading / advising a team of 6 other undergraduate students in Research, scientific writing, experimental design, and programming.
- The goal is to create a BCI that detects and classifies attention/focus (EEG, ML), then 'refocuses' the user through adaptive stimuli that leverages neural-entrainment across multiple sensory modalities.
- Project will also incorporate EEG, signal processing, data analysis, ML, and user interface design in the future.

### Student Assistant for Intro to programming - Winter - Spring 2024.

- Assisting students with coursework in C and Python in professor Butner's ECS 032a and 036a.

## Programming/technological skills:

- C, C++, Python.
- CLI / CLI tools in unix based systems. Bash scripting. Git/git-hub.
- Markdown, LaTeX, and R.
- Linux: Ubuntu, Fedora, NixOs, some Arch. Mac OS (+ nix Darwin) and Windows.

## Undergraduate Education

**UC Davis:** B.S. Cognitive Science, computational emphasis. - Fall 2023 to Winter 2026 (anticipated)

- Dean's list Fall 2023

**Pasadena City College** - 2019 to 2023

- Honors for Superior Achievement in Philosophy (2021)
- Dean's honors (Spring 2020, Spring 2023)

**California Institute of the Arts** - BFA Music Composition - 2017 to 2019

## **Research interests:**

- Attention, executive function, emotion, development, and social cognition.
- Computational modeling, Theory of computation, Artificial Intelligence, and ethics of technology.
- Neurobiology and evolutionary neurobiology. Primate and human evolution.
- Psychology of music, Anthropology of religion/shamanism, philosophy of mind, and consciousness.
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