

JULIAN FORTUNE

julianfortune.com | fortunej@oregonstate.edu | 541-525-6986
linkedin.com/in/julian-fortune

EDUCATION

Oregon State University — Corvallis, Oregon Graduating June 2021

- Honors Bachelors of Science in Computer Science with a 4.0 GPA.
- Relevant coursework: Algorithms, Artificial Intelligence & Machine Learning

EXPERIENCE

Lucid Software — Intern Starting June 2020

- Adding new functionalities and maintaining Lucid's software products using Scala and Typescript.

Tereshchenko Lab, Oregon Health & Science University — Volunteer November 2019 – Present

- Creating a computer vision system for converting ECG prints to numerical signal data.

Oregon State University — CS 16X & 261 Teaching Assistant September 2019 – Present

- Leading labs for groups of 30 students, grading assignments, and running 1-on-1 grading demos.

Human-Machine Teaming Laboratory, CoRIS — Research Assistant February 2018 – Present

- Designing, developing, and validating an algorithm that provides speech workload metrics using Python with the NumPy, PRAAT, TensorFlow, and TFLearn libraries.
- Publishing research manuscripts as co-author with Drs. Julie A. Adams and Jamison Heard.
- Published an undergraduate thesis with Dr. Julie A. Adams as advisor.

CBTNuggets — Apps Team Developer Intern June 2018 – June 2019

- Debugged, fixed crashes, implemented features, and wrote tests for iOS, tvOS, and Windows apps.
- Added practice exams to iOS app, speed controls to tvOS app, and leaderboard to Windows app.
- Resolved memory leaks and crashes in the iOS app, increasing in crash-free sessions by ~3%.

PUBLICATIONS

J. Fortune, J. Heard, and J. A. Adams, "Speech workload estimation for human-machine interaction," 2020. *Human Factors and Ergonomics Society Annual Meeting*, 2020.

J. Heard, J. Fortune, and J. A. Adams, "SAHRTA: A supervisory-based adaptive human-robot teaming architecture." *IEEE Conference on Cognitive and Computational Aspects of Situation Management*, 2020. arXiv:2003.05823.

J. Heard, J. Fortune, and J. A. Adams, "Speech workload estimation for human-machine interaction," in *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, pp. 277–281, 2019.

PROJECTS

Speech Workload: Python library for extraction speech features and estimating speech workload.

PassGen: MacOS app to generate random 15-character passwords and copy to clipboard.

INVOLVEMENT

App Development Club — President October 2018 – May 2020

SKILLS

LANGUAGES: Swift, Python, C++, C, C#, Haskell, Javascript, HTML, CSS, XAML, & Bash.