

JULIAN FORTUNE

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EDUCATION

Oregon State University — Honors Bachelor of Science Graduating June 2021

- Computer Science major focusing on Artificial Intelligence with a 4.0 GPA.
- **Relevant courses:** Parallel Programming, Android Development, & Deep Learning
- **Clubs:** App Dev Club president & graphic designer, and Artificial Intelligence Club member.

EXPERIENCE

Skyworks Solutions — Machine Learning Co-op January 2021 – Present

- Assisting with experiments, overseeing cloud resources (e.g., MongoDB), & writing tests in Python.

Lucid Software — Software Engineering Intern June 2020 – September 2020

- Aided in developing an algorithm to classify hand-drawn shapes and identify squiggles.
- Redesigned the paywall system using Angular and Typescript to support a suite of products.

Oregon Health & Science University — Volunteer Software Engineer November 2019 – Present

- Creating a computer vision system and desktop application using Python, OpenCV, and PyQt.

Oregon State University — Teaching Assistant September 2019 – December 2020

- Leading labs of 30+ students, grading, and assisting students with Computer Science courses.

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

- Designed, developed, and validated an algorithm that estimates workload in real-time based on audio features and a neural network built using TensorFlow & TFLearn libraries, written in Python.

CBTNuggets — Software Engineering Intern June 2018 – June 2019

- Debugged, fixed crashes, implemented features, and wrote tests for the iOS, tvOS, and UWP apps.
- Added practice exams to iOS app, speed controls to tvOS app, and leaderboards to the UWP app.

SELECT PUBLICATIONS

- J. Fortune, J. Heard, and J. Adams, "Real-Time Speech Workload Estimation for Intelligent Human-Machine Systems," 2020. *Human Factors and Ergonomics Society Annual Meeting*, 2020.
- J. Fortune, "Real-time Speech Workload Estimation." (Undergraduate Honors Thesis). May 2020.

PROJECTS

- **Functional-C:** Statically-typed, interpreted, side-effect-free language written in Haskell.
- **Tweet Sentiment Extraction (Kaggle):** Classifies the sentiment of tweets using a highly-modified version of a Naïve Bayes classifier and intelligent pre-processing. Achieved a .66 accuracy score.
- **Jumble:** A JS app for unscrambling 'jumbled' words and listing all matches instantaneously.

AWARDS

- **1st Place Team in Lucid Hackathon** — Lucid Software August 2020
- **College of Engineering Dean's List** — Oregon State University September 2018 – Present

SKILLS

- **LANGUAGES:** Swift, Python, Kotlin, Scala, C++, C, C#, Typescript, Haskell, JS, SQL, & Golang.
- **TECH:** Linux, MongoDB, Git, Angular, PyTorch, TensorFlow, OpenCV, & CUDA.