

Dalton Rutledge

Goal: Entry Level Software Engineer

Recent summa cum laude graduate with experience in agile software development and novel software research.

Contact

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Skills

Java, Python, JavaScript, C, WebGL, R

SQL, Relational Databases

Git, Linux, Bash

Agile, Android Development

TensorFlow, Keras

Spanish Proficiency

Coursework

Operating Systems, Networks, Machine Learning, Databases, Computer Architecture, Software Engineering, Graphics, Artificial Intelligence, Algorithms and Data Structures

Probability and Statistics, Multivariate Calculus, Modern Physics

Semester Abroad: University of Glasgow, Scotland, UK

Education

Aug 2016 - Bachelor of Science: Computer Science
May 2020 Westminster Honors College - Salt Lake City, Utah

- 3.97 GPA - Summa Cum Laude

Project History

Spring 2020 Machine Learning Android Development
Capstone Project, Salt Lake City, UT

- Created Tweeter, an Android app for identifying birds by their songs (like SoundHound or Shazam).
- Trained an embedded sophisticated neural network for classifying 10 common avian species. Self-taught Android development and machine learning implementations.
- Technology used: Python, Keras, TensorFlow, Android Studio, Java.
- View project at github.com/dalton-rutledge/Tweeter.

Summer 2019 Accessibility Research in AI and HCI
Rochester Institute of Technology, Rochester, New York

- Research led to [publication](#) in CHI 2020, the leading conference in computer-human interaction research.
- Primary developer of on-screen magnifier software targeted at low-vision users.
- Created web-based experiments to record live data.
- Technology used: Python, C, JavaScript, eye-trackers, reflex agents.

Work History - Westminster College

Aug 2019 - Web Programmer
May 2020

- Created web content in a professional agile team.

Aug 2019 - Computer Systems and Programming TA
Dec 2020

- Taught, tutored, and graded students in C-programming, systems fundamentals, assembly programming and Linux basics.