

Richard Red

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EDUCATION

University of Georgia

Anticipated December 2019

Bachelor of Science, Computer Science

Relevant Coursework:

Software Development, Systems Programming, Data Structures & Algorithms, Discrete Mathematics, Computing Theory

PROFICIENCIES

Technologies: Java, C, C++, Python, JavaScript, HTML, CSS, Jekyll, Node.js, Docker

Environments: Unix, Vim, Git, Android SDK, Eclipse/IntelliJ, Virtual Machines, Cloud Servers

Languages: Chinese (Mandarin) – Fluent, Spanish – Intermediate

PROJECTS

WienerScreener - <https://github.com/richardred/WienerScreener>

Feb 2018

- Top 5 projects at UGAHacks 3
- Created an **Android** application with **Java** that uses the TensorFlow Convolutional **Neural Network** (CNN) library in **Python** to determine whether a picture is of a hot dog
- Handles requests using a **Node.js** web server running on **Docker** and uses **Shell Scripting** to process images with the machine learning data

easy_bot - https://github.com/richardred/easy_bot

Dec 2017

- Created a Discord bot with **Python** that utilizes multiple APIs and libraries to create an enhanced interactive chat experience for several hundred users across multiple community servers
- Integrated useful features such as displaying a weather forecast that is more convenient than conventional methods of checking the weather

Shell.cpp - https://github.com/richardred/Michael_Scott

Nov 2017

- Created a custom shell program with **C++** that emulates the behavior and commands of the UNIX Bash shell
- Utilizes various **C** system calls such as `fork()`, `dup2()`, and `execvp()`

maplistmaker - <https://github.com/richardred/maplistmaker>

Jan 2018

- Worked with **Python**, **PowerShell**, and **Bash Shell** scripting as a member of a two-person team
- Developed solutions to problems faced while trying to share files that were too large to be sent digitally
- Created compatibility for all Windows devices by programming a .exe file

EXPERIENCE

Private Tutor

May 2015 – August 2016

Self Employed

- Improved students' abilities in Piano, Computer Science, Chinese, and Latin
- Managed a weekly schedule to meet the needs of 4-5 students per week

ACTIVITIES

Affiliations: Asian American Student Association (AASA) Logistics Committee

Activities: Club Ultimate Frisbee, Cycling, Piano, Guitar

Volunteer: UGA Impact, UGArden, UGA Campus Kitchen

Interests: Mechanical Keyboards, Programming, Classical Music