

# Richard Red

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425 Riverbend Pkwy Apt 27C, Athens, GA 30605

## EDUCATION

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### University of Georgia

*Anticipated December 2019*

Bachelor of Science, Computer Science

Relevant Coursework:

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

## PROJECTS

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### 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](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](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

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### Private Tutor

*May 2015 – July 2016*

*Self Employed*

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

## PROFICIENCIES

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

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

**Languages:** English/Chinese – Native, Spanish – Intermediate

## ACTIVITIES

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**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