

# Richard Red



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## Skills

### Programming Languages

Java



C/C++



Python



JavaScript



Ruby on Rails



SQL



### Technologies

Unix

Git

JUnit

Eclipse/IntelliJ

Virtual Machines

Cloud Services

Docker

### Foreign Languages

Mandarin Chinese



Spanish



## Experience & Projects

### DataAutomation

Software Engineering Intern

September 2018 - Present

- Create scripts to connect client APIs with our back-end to automate requests and increase ease of use for third-party developers.
- Collaborate with clients throughout the entire software development life cycle to ensure requirements are met.

### Zuora

Software Engineering Intern

May 2018 - August 2018

- Implemented new bank transfer methods by collaborating with clients to integrate APIs into Zuora's back-end, extending the customer base into Australia, Sweden, and Denmark.
- Developed database monitoring tools with Ruby on Rails and JavaScript to provide visual representations of SQL database usage statistics.
- Redesigned and implemented UI features for a more streamlined user experience.

### UGA Small Satellite Research Laboratory

Flight Software Developer

March 2018 - Present

- Research and develop software implementations for NASA and the Air Force Research Laboratory.
- Create ground station software for transmitting data, controlling satellite dish movements, and processing telemetry.
- Provide IT support by setting up custom VPN connections to keep highly classified information secure from external network traffic.

### WienerScreener

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

February 2018

- Top 5 Projects UGAHacks 3
- Created an Android application with Java that uses the TensorFlow Convolutional Neural Network (CNN) library in Python to determine if 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.

## Activities

### UGAHacks 4

- Event Organizer and coordinator for the 4th annual UGA hackathon
- Responsible for increasing amount of hardware components and obtaining 10+ sponsorships

## Education

### University of Georgia

Bachelor of Science, Computer Science

August 2016 - May 2020

Relevant Coursework:

Software Engineering, Computer Networks, Computer Architecture, Systems Programming, Data Structures & Algorithms, Discrete Mathematics, Computational Theory