ZACHARY WOOD

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EDUCATION

George Mason University   Fall 2017 - Spring 2021 Expected
B.S. Computer Science, GPA: 3.9   *Fairfax, VA*

· *University Scholar* - one of twenty recipients in my class of the highest academic scholarship awarded at GMU

RELEVANT EXPERIENCE

Software Development Intern   May - August 2018
Remine   *Fairfax, VA*

· Designed, implemented, and shipped a replacement for a **critical piece of the data pipeline**
· Achieved an **80% increase in user productivity** compared to the replaced software
· Front-end built with **React + Redux**; back-end REST API built with **TypeScript, PostgreSQL**
· Built an **iOS native component** for the React Native mobile team using **Objective-C**

Undergraduate Research Assistant   December 2017 - May 2018
Evolutionary Computation Laboratory   *George Mason University*

· Developed a framework for **swarm robotics simulations** for the laboratory's FlockBot research
· Worked closely with faculty and students in a **team environment**

Software Development Intern   June - August 2017
Edge 360   *Ashburn, VA*

· Developed a system to allow the public to volunteer their private camera systems to aid in criminal investigations
· Built an admin interface using the **Google Maps API** to visualize collected data
· Developed a **REST API** using **Express + Node.js** to access stored data

LEADERSHIP AND PROJECTS

Mason Student Run Computing and Technology (SRCT)   Fall 2017 - Present
Project Manager and Lead Developer   *https://srct.gmu.edu*

· Student organization focused on developing **open source software** for the benefit of the GMU community
· Prepare and deliver lecture style talks designed to teach members about technology used in industry
· Mentor and teach new members the basics of the open source workflow, such as using **Git**

SRCT Schedules   May 2018 - Present
Project Manager and Lead Developer   *https://git.gmu.edu/srct/schedules*

· Full stack web application written in **Ruby on Rails** that provides utilities for students making their schedules
· Led development of the project from scratch and coordinated developers to deliver version 1 ahead of schedule
· Wrote Ruby scripts using Nokogiri to scrape course data from multiple locations

SKILLS AND INTERESTS

Programming Languages	JavaScript, Ruby, Java, Swift, Go
Frameworks	Ruby on Rails, React, Redux, iOS + UIKit
Other Technologies	Docker, SQL, Git, Unix

OTHER

Congress-Bundestag Youth Exchange   August 2016 - June 2017
Youth Ambassador   *Wildeck, Germany*

· Recipient of prestigious State Department scholarship to study abroad as a Youth Ambassador in Germany