

ZACHARY WOOD

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EDUCATION

George Mason University

B.S., Computer Science, GPA: 3.9

Fall 2017 - Spring 2021 Expected

Fairfax, VA

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

RELEVANT EXPERIENCE

Software Development Intern

Remine

May - August 2018

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

Evolutionary Computation Laboratory

December 2017 - June 2018

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

Edge 360

June - August 2017

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 persist data

LEADERSHIP AND PROJECTS

Mason Student Run Computing and Technology (SRCT)

Project Manager and Lead Developer

Fall 2018 - Present

<https://srct.gmu.edu>

- Student organization focused on developing open source software for the benefit of the GMU community
- Led development and coordinated developers as the Project Manager of the **SRCT Schedules** project
- Built REST API with **Ruby on Rails** and web app with **React + Redux**

Attics

Developer

<https://github.com/zacwood9/attics>

- iOS app that lets users stream thousands of free live concert recordings

SKILLS AND INTERESTS

Programming Languages

TypeScript, JavaScript, Swift, Go, Ruby, Java

Frameworks

React, Redux, Ruby on Rails, iOS + UIKit

Other Technologies

Docker, PostgreSQL, Git, Unix

OTHER

Congress-Bundestag Youth Exchange

Youth Ambassador

August 2016 - June 2017

Wildeck, Germany

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