

# 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 - June 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 persist data

## LEADERSHIP AND PROJECTS

**Mason Student Run Computing and Technology (SRCT)** Fall 2018 - 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
- 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** May 2018 - Present  
*Developer* *<https://github.com/zacwood9/attics>*

- **iOS app** written in **Swift** that lets users stream thousands of free live concert recordings
- Coming soon to the App Store

## SKILLS AND INTERESTS

|                              |   |
|------------------------------|---|
| <b>Programming Languages</b> | TypeScript, JavaScript, Swift, Go, Ruby, Java |
| <b>Frameworks</b>            | React, Redux, Ruby on Rails, iOS + UIKit      |
| <b>Other Technologies</b>    | Docker, PostgreSQL, 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