

Adam Ratzman

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EDUCATION

Indiana University, Bloomington, IN

Bachelor of Science in Computer Science

Honors: Hudson & Holland Scholar, Provost's Scholarship, Founders Scholar, Hutton Honors College

May 2022

GPA: 3.94/4.00

WORK EXPERIENCE

Naval Surface Warfare Center, Crane Division, Department of the Navy, Crane, IN

Software Engineering Intern, Enterprise Services (Cleared role)

August 2020 - Present

Microsoft Corporation, Redmond, WA (Remote)

Software Engineering Intern, Microsoft Azure Service Fabric Atlas

May 2020 – July 2020

- Developed a POC extension to the Atlas RP (formerly Azure Service Fabric Mesh) layer in Microsoft Azure Service Fabric
- Collaborated in a remote environment to meet deadline

CSCI-C322 Object-Oriented Software Systems Instructor, Bloomington, IN

Undergraduate Instructor (UI), Pf. Dan-Adrian German

November 2019 – May 2020

- Instructed in the C322 upper-level computer science course due to demonstrated excellence in Java and software development
- Lectured about Spring and Spring Boot and led laboratory section for 35 undergraduate students

E-gineering, Indianapolis, IN

Software Engineering Intern

Summer 2019

- Collaborated with Product Owner to identify and implement website enhancements
- Implemented automated email and phone notifications for users
- Found and eliminated technical debt and legacy security vulnerabilities

DevOps Intern

Summer 2018

- Deployed client applications as a POC on Kubernetes clusters and presented solutions to meet client's goal of eliminating its physical datacenters

VOLUNTEER EXPERIENCE

Indiana University Student Government, Bloomington, IN

Chief Technology Officer

July 2020 - Present

- Overseeing a 20-person technical staff working on Kotlin-based projects for IU Student Government
- Developing Ktor web applications for IUSG

Indiana University Student Body Congress, Bloomington, IN

Parliamentarian and Representative, School of Informatics, Computing, and Engineering

October 2019 – May 2020

- Advocating for issues important to the School of Informatics, Computing, and Engineering

TECHNICAL SKILLS

Languages and Markup: Java, C#, JavaScript, Kotlin

Databases: SQL, RethinkDB

Web development: HTML, CSS, UIKit, jQuery, Handlebars.js, Mustache.js, JSP, Spring Boot, Ktor

Development Tools: Git, Docker, Docker Compose, Kubernetes, Service Fabric, Maven, Gradle

PROJECTS

Spotify Web API - Kotlin, Github

Developer

September 2017 - Present

- Created a modern, asynchronous wrapper targeting the JVM for the Spotify Web API with 39 Github stars and over 1,000 monthly downloads

Ardent, Indianapolis, IN

Founder

January 2015 – May 2018

- Developed a popular, internationalized, comprehensive Discord bot
- Directed a distributed team of 2 developers and 9 translators localizing into 11 languages
- Oversaw consistent monthly user and revenue growth, with profitability within 3 months of launch