Adam Ratzman

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EDUCATION

Indiana University, Luddy School of Informatics, Computing, and Engineering, Bloomington, IN
Master of Science in Computer Science   August 2021 – May 2022

Bachelor of Science in Computer Science   August 2019 – May 2021
Honors: Hudson & Holland Scholar, Provost Scholarship, Hutton Honors College   GPA: 3.94/4.00

WORK EXPERIENCE

Redwood EDA, Bloomington, IN (Remote)   March 2021 - Present
Software Engineer
- Developed frontend React application to showcase an open-source product (warp-v.org)
- Collaborating remotely with engineers in the US and Europe

Indiana University, Bloomington, IN
Undergraduate Instructor (UI), CSCI-B365 Data Analysis and Mining   February 2021 - Present
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Undergraduate Instructor (UI), CSCI-C322 Object-Oriented Software Systems   November 2019 – May 2020
- Instructed 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

Microsoft, Redmond, WA (Remote)
Returning Software Engineering Intern, Microsoft Azure Compute   Summer 2021
Software Engineering Intern, Microsoft Azure Service Fabric Atlas   Summer 2020
- Developed a POC extension to Azure Service Fabric Mesh in the Service Fabric product group
- Collaborated in a remote environment to meet deadline

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

TECHNICAL SKILLS

Languages and Markup: Java, C#, JavaScript, Kotlin
Databases: MySQL, RethinkDB, MongoDB
Web development: HTML, CSS, UIKit, jQuery, Handlebars.js, Mustache.js, JSP, Spring Boot, Ktor, React, Chakra UI
Development Tools: Git, Docker, Docker Compose, Kubernetes, Service Fabric, Maven, Gradle

PROJECTS

Spotify Web API - Kotlin, Github   September 2017 - Present
Developer
- Created a modern, asynchronous Kotlin multiplatform wrapper for the Spotify Web API with 90+ Github stars and over 1,000 monthly downloads

Ardent, Indianapolis, IN   January 2015 – May 2018
Founder
- 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