Mitchell Zakocs

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Professional Summary

<u>Computer Science Student</u> with verifiable projects, substantial experience, and technical skills within the industry. Able to create innovative & scalable solutions to complex problems, troubleshoot difficult bugs or issues, and learn new technologies rapidly. Has strong analytical thinking skills and is exceptionally adaptable. Thrives in a team-based environment through strong collaboration and leadership skills. <u>Fluent in Spanish</u>.

Recent Experience

Business Operations Analyst Intern, Culdesac • Tempe, AZ   *5 mos, Aug 2021 - Dec 2021*

➤ Created impactful data insights and visualizations using Looker and SQL
➤ Designed meaningful data dashboards by amassing insights & visualizations; influenced large company decisions regarding leases, deposits, properties, etc.
➤ Ventured into Data Engineering and complex data pipeline management through LookML, dbt, and BigQuery

Summer Research Assistant, Arizona State University SEFCOM Lab • Tempe, AZ   *3 mos, Jun 2021 - Aug 2021*

➤ Researched innovative software obfuscation techniques and generated ideas to counter and improve them
➤ Wrote <u>IDAPython plugins</u> to remove certain obfuscations and gained plenty of <u>software binary analysis</u> experience
➤ Released two technical write-ups for the research on personal blog; generated <u>200% increased traffic</u> to website

Software Applications Engineer Intern, Ordertech • Tempe, AZ   *6 mos, Mar 2020 - Aug 2020*

➤ Built software for single-page <u>JavaScript</u> applications in the front-end and <u>Java</u> & <u>Python</u> in the back-end
➤ Engineered a unified communications system using <u>SIP</u>, <u>WebRTC</u>, <u>Java,</u> and <u>JavaScript</u> for integrated phone call and text chat functionality; yielded company up to <u>35% increased revenue</u> on certain clients for CRM services
➤ Devised a productivity-focused <u>cloud</u> email system for managing customer support tickets and internal tasks

Highlighted Projects

Personal Website (mitchellzakocs.com)   *2021*

➤ Designed, developed, and maintained a personal website & technical blog using <u>React</u> and <u>Next.js</u>
➤ Contains several blog posts regarding computer security, software virtualization, kernel development, and more

FIRST Statistics (github.com/mzakocs/FIRST-Statistics)   *2020*

➤ Utilized the Glicko algorithm, linear algebra, and <u>statistical analysis</u> to rank teams and predict match outcomes
➤ Written in <u>Python</u> and uses a <u>REST API</u> for gathering data and <u>Google Sheets integration</u> for utilizing data

Education & Certifications

Arizona State University, Ira. A Fulton & Barrett Honors College • Tempe, AZ   *2021 - Current*

➤ *Computer Science (Software Engineering), BS*

Arizona Department of Education • Phoenix, AZ   *2021*

➤ *Seal of Biliteracy (Spanish), Certificate*

Awards & Achievements

Flinn Scholar: 1/20 students selected from nearly 1000 applicants to receive a prestigious full-ride scholarship
PicoCTF 2021: Computer Security competition; scored Top 10 in the US for solo teams and Top 100 in the US overall
Scudder Award: Award for outstanding academic excellence, high standards of character, and intellectual curiosity

Relevant Skills

Languages: Python, JavaScript, Java, C++, C, x86 Assembly, Julia, C#, HTML, CSS
Technologies: React, Node.js, Next.js, Express.js, ExtJS, JSP, Material-UI, Chrome API, WinAPI
Data Management: MongoDB, PostgreSQL, REST, Apollo, GraphQL
Miscellaneous: Git, VMware Workstation, Visual Studio, Vagrant, SIP, WebRTC, Chrome Devtools