Andrew Krikorian

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Linkedin: www.linkedin.com/in/andrew-krikorian - **Github:** www.github.com/andykr1k - **Portfolio:** akrik.vercel.app

Work Experience:

Silicon Valley Bank - Data Science Intern (Business Insights Team) - ***June 2021 through August 2021***

As a Data Science Intern on the Business Insights team, I contributed to the analysis and modeling of current and future mortgage business forecasts. I created a predictive tool utilizing MongoDB and Tableau to provide key insights into the mortgage market trends for executive decision-making. The technical stack utilized in this project included MongoDB, Tableau, Python, R, and C++.

America's Best Beverages - Full Stack Software Engineer Intern - ***September 2020 through January 2021***

I collaborated with the executive team to design and build a new website for the Cloudburst Coffee branch. The technical foundation of the website was developed using React.js and Chakra UI, with the integration of Shopify's API in our technology stack.

ESO Fund - ***Data Entry Intern*** **- Software Engineer Intern -** ***Summer 2016 and invited back Summer 2017***

As part of the engineering/lead generation teams at ESO Fund, I developed a chrome extension-based web scraping tool using JavaScript. I was responsible for enhancing the tool's capabilities and enabling the generation of stable sales-qualified leads by scraping more complex sources. The technical stack used in this project included JavaScript, Python, BASH/Linux, and Git.

Research:

UCR Research Study - Machine Learning Combinatorial Structures - ***Current (January 2023 to June 2023)***

We are studying the use of neural networks and training one to learn data from algebraic geometry, specifically the wall-chamber decomposition associated with particular spaces parameterizing plane curves and a line. There is currently limited knowledge about patterns within this type of data, so we are investigating if a neural network can accurately predict this geometric information.

Education:

2019 - 2023 **- University of California, Riverside - Bournes College of Engineering Computer Science**

- Relevant Coursework: Linear Algebra, Multivariable Calculus, Intro to Java, Intro to Unix, Intro to Object-Oriented Programming, Advanced Java Structures, Discrete Structures, Data Structures and Algorithms, Computer Architecture 1 & 2, Data Analytics, Quality Improvements, and Statistical Computing

Languages/Tools (Proficient - Bolded):

- C, **C++**, **Javascript**, **Python**, Swift, **SwiftUI**, **HTML**, CSS, **Tailwind**, Node.js, **Git**, **React**, **Next**, Svelte, Angular, **Firebase**, Supabase, **Redis**, Prisma, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, SciPy and more

Personal Projects:

Website Generator - Scrum Master (Posted on Github and Portfolio)

In light of the tremendous growth in the technology sector over the past two decades, including the widespread use of the internet and the proliferation of modern websites, my project group sought to address a need in the market. We developed a portfolio/resume website generator that enables users to create their own custom websites, with a variety of design options to choose from.

Edvisor - Founder - (Posted on Github and Portfolio)

During my experience applying for transfer to the UC system, I identified inefficiencies in the college transfer and graduation process. To address this issue, I am currently developing a solution aimed at streamlining the transfer process for students. The current process is overly complicated, and my proposed solution involves creating a tool that tracks an individual's progress at their current institution and provides guidance on the necessary courses and prerequisites required for transfer and graduation. The goal of this application is to make the college transfer and graduation process more manageable and less burdensome for students.