

EMIL SHARKOV

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EDUCATION

B.S. in Computer Science, University of California, San Diego

September 2020 - March 2024

GPA: 3.7/4.0

Relevant Coursework: Advanced Data Structures, Design and Analysis of Algorithms, Software Engineering, Database System Principles, Web Client Design, Networked Services, Computer Security

SKILLS

Front End	HTML, CSS, JavaScript, TypeScript, React, React Native, Redux
Back End	Python, FastAPI, Node.js, Express.js, Go, Java, Kotlin, PostgreSQL, MongoDB, C, C++
Deployment	AWS, Docker, Kubernetes, Github Actions, Jenkins, Terraform, Bash
Dev Tools	Git, Postman, VSCode, Linux, Agile, JUnit, Jira, Tableau
Certifications	AWS Cloud Practitioner, AWS Solutions Architect Associate

WORK HISTORY

ATPCO

February 2023 - Present

Software Engineer Intern

AWS, Python, React.js, Tableau

- Developed an interactive and educational website for over 500 employees that teaches developers how to use AWS in order to increase company-wide cloud fluency using AWS S3, CloudFront, and React.js
- Increased team productivity by 15% by creating a dashboard that identifies bottlenecks in team workflow by leveraging the Jira API and Python to fetch and analyze JIRA tickets
- Utilized the GitHub API and Python to create a dashboard that monitors the time it takes to create and deploy a feature into production, effectively measuring the efficiency of each product team

MakeItHappen.nyc

June - September 2022

Software Engineer Intern

PostgreSQL, Express.js, React.js

- Reduced customer inquiries by 25% by creating a dashboard that presented payment data on over 20,000 users
- Oversaw the resolution of critical issues within B2B APIs, reducing bug reports by about 40%
- Achieved 10x performance improvement in fetching of 10,000 record datasets by reducing SQL query complexity

Ardigent Consulting

October - December 2019

Software Engineer Intern

React.js, Next.js, Express.js

- Increased SEO and Google ranking to 1st search result by integrating Next.js into React codebase
- Enhanced database security with sanitation procedures inside REST APIs to prevent SQL Injection attacks
- Improved accessibility of company website by refactoring landing page with utilizing CEO's specifications

EXTRACURRICULAR ACTIVITY

ACM AI @ UCSD

May 2023 - Present

Board of Directors

MongoDB, Express.js, React, TypeScript

- Led a team of 5 web developers and designers to successfully create and launch the ACM UCSD website
- Actively participated in board meetings contributing to club operations, budgeting, and planning efforts

HIGHLIGHTED PROJECT

Traka

September - December 2022

Workout Tracker

AWS, Docker, PostgreSQL, Express.js, React.js

- Engineered a full-stack CRUD web app to track workouts and goal progress for bodybuilders
- Containerized client, server, and database using Docker for scalability and deployed to AWS ECS for hosting