

# 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

<b>Front End</b>	HTML, CSS, JavaScript, TypeScript, React, React Native, Redux
<b>Back End</b>	Python, FastAPI, Node.js, Express.js, Go, Java, Kotlin, PostgreSQL, MongoDB, C, C++
<b>Deployment</b>	AWS, Docker, Kubernetes, Github Actions, Jenkins, Terraform, Bash
<b>Dev Tools</b>	Git, Postman, VSCode, Linux, Agile, JUnit, Jira, Tableau
<b>Certifications</b>	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 to increase company-wide cloud fluency using AWS S3, CloudFront, and React.js
- Boosted 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 construct a dashboard that monitors the time it takes to create and deploy a feature into production, measuring the efficiency of 10 product teams

### 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
- Achieved 7x performance improvement in fetching of 10,000 record datasets by reducing SQL query complexity
- Resolved multiple time-critical issues within B2B APIs with efficient debugging, reducing bug reports by 40%

### Ardigent Consulting

October - December 2019

*Software Engineer Intern*

*React.js, Next.js, Express.js*

- Increased SEO and Google ranking to 1st search result in its niche by integrating Next.js into React codebase
- Strengthened database security with sanitation procedures inside 2 REST APIs preventing SQL Injection attacks
- Decreased bounce rate of company website by 26% by refactoring the landing page to improve user experience and accessibility

## EXTRACURRICULAR ACTIVITY

### ACM AI @ UCSD

May 2023 - Present

*Board of Directors*

*MongoDB, Express.js, React, TypeScript*

- Orchestrated a team of 5 web developers and designers to create and launch the ACM UCSD website
- Reduced club expenses by 3% by optimizing AWS usage and transitioning to cost-effective software solutions for club operations.

## 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