Khalid Mihlar

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Education

University of California, Santa Barbara College of Engineering

Computer Science M.S. | Specialization in Networking *Graduating June 2024*
Computer Engineering B.S. | GPA: 3.88 *Received June 2023*

Work Experience

AVIAI Inc, Fullstack Engineering Intern *February 2022-September 2022*

- Developed the main website using the React Framework, CSS, HTML, and JavaScript.
- Created data metric visualization using Charts.js, AMCharts, and ApexCharts.
- Set up backend architecture using mySQL and AWS to support the website.

The Boeing Company, Visualization & Test Engineering Intern *June 2018-August 2018*

- Developed backend data sorting algorithms in C# for data received by satellites along with communication protocols for data management.
- Created production tools to organize and produce progress reports for data analysts to use
- Formed an Official Workshop to teach inexperienced interns the basics of Python and Object-Oriented Programming

Moment Lab at UCSB, Undergraduate Research Assistant *October 2021-February 2022*

- Analyzed bandwidth data in real-time using the eduroam network, utilizing AI clustering to understand how bandwidth affects stream rates in platforms such as YouTube and Netflix
- Create applications in Python, Java, and Bash to scrape data and sort this information to a backend server in real time

Bionic Vision Lab at UCSB, Undergraduate Research Assistant *January 2023-June 2023*

- Implement updates to their main website, using tools like MongoDB, Node.js, React, and Saas
- Run trials on Blind subjects to understand usage and capabilities of Seeing AI

Projects

Forta Rugpull Detector *September 2022-March 2023*

- Developed a detection bot on the Forta network to identify malicious smart contracts on the Web 3.0 space, deployed on both Ethereum and Polygon
- Utilized the Forta API along with Python and Solidity to create our detectors while deployed on the Forta blockchain
- Created ways to identify hidden mints, burns, and self-destruct functions with an accuracy of 95%

Skills

Programming Languages: C#, C++, Python, Java, HTML, Verilog, Assembly, JavaScript, CSS, SQL, Kotlin, Solidity
Applications: Maven, Google OAuth, Github, Codecov, Heroku, React, AWS, Docker, Android Studio
Relevant Coursework: Advance Application Programming, Object Oriented Design, Digital Design Principles, Data Structure Algorithms, Computer Communication Networks, Advance Computer Architecture, Artificial Intelligence, Machine Learning, Distributed Systems