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Dimitar Atanassov

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Work Experience

Software Engineer Intern Qualys Accelerators Team	ImagineX Consulting Sunnyvale, California	May 2023 - August 2023
<ul style="list-style-type: none">Designed and developed an object-oriented automation tool to streamline the process of comparing IP addresses in various different formats such as CIDR notation, IPs with subnet masks, and IP Ranges.Implemented features to handle user-provided Excel Spreadsheets that contains IP address and interact with either the Qualys Platform or another user-provided Excel Spreadsheet, based on the user's inputImproved performance and scalability with multithreading and asynchronous API calls.Generated a comprehensive CSV output file, sorting and combining original data from the first user-provided spreadsheet with IP addresses retrieved from the Qualys Platform or the second user-provided spreadsheet. Provides insight to users regarding the registration status of the IP addresses, categorizing them as registered, partially registered, or not registered at all.Created a Qualys Login and Login Verification API to connect to the Qualys platform.Created two Qualys API parsers to assist developers in parsing and storing data retrieved through API calls.		
Software Engineer Intern Hyperion team	Aveva Scottsdale, Arizona	May 2022 - August 2022
<ul style="list-style-type: none">Overhauled the Cloud Service Platform by refactoring the User's page, simplifying its over-engineered structure for improved performance and efficiency, using JavaScript and Angular Framework.Developed a recursive filtering function for the User's page, allowing seamless filtering across multiple columns for improved data exploration.Implemented a reusable search component which was utilized across different sections of the cloud platform.Developed Unit Tests		

Education and Certifications

- Bachelors of Science, Computer Science** Arizona State University, Tempe, Arizona. **2019-2023**
- Dean's List of Outstanding Scholars

Technologies and Languages

- Languages: Java, JavaScript, C++, Python, HTML, CSS, TypeScript,
- Technologies: MySQL, Postgres, Git, Azure, Angular Framework, React, NodeJS, Vite

Projects

- Client-Side React Ethereum Wallet for AR/VR/XR Applications**
 - Collaborated in a team of 5 to create a Frontend Client for AR/VR/XR applications, with key storage, an authentication server API, and a backend transaction API. Utilized git for team collaboration.
 - Developed a Transaction API using Python, designed to effortlessly process and verify transactions between two Ethereum Wallets. Testing was conducted using Ganache Blockchain.
 - Integration of Frontend and Backend was done using Flask.
- Photo Sharing Social Media App**
 - Designed and developed a full stack photo sharing social media application using PostgreSQL, NodeJS, and Vite.

- Implemented a robust system for user management, allowing registration, login, and profile management
- Integrated features such as tag management, search functionalities, comments, 'Like' functionality, and a recommendation system based on user-uploaded content and tags.

- **Restaurant Management App**

- Developed A Restaurant GUI Application with a team of 5 in a modified Agile environment
- Designed and implemented using Java and Swing UI framework to render menu and order information
- Created unit tests with JUnit to test functionality of various components