

DOLUNAY DAGCI

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EDUCATION

The State University of New York at Albany

Albany, New York

Master of Science Computer Science, GPA: 4.0

May 2023

Bachelor Of Science Computer Science, GPA: 3.92

May 2022

Relevant Coursework: Computer Communication Networks, Computer Security, Database Systems, Operating Systems, Artificial Intelligence, Software Engineering, Data Mining

RELEVANT EXPERIENCE

Software Engineer | Health Research, Inc.

Menands, NY | Sep 2022 - Present

- Analyze, design, and code modifications to development of complex applications with **Workday** integrations using **Spring Boot**, **Vue.js** and **PostgreSQL** with Test Driven Development using **Jest** and **Postman** to improve efficiency of financial and human capital management using.

Research Assistant | SUNY at Albany, UbiNET

Albany, NY | May 2022 - Present

- Implement feedback, user engagement, location granularity features using **MySQL**, **Android Java**, and **XML** to ensure efficiency of the use of the app.

Software Engineer Intern | American Express

New York, NY | Jun 2022 - Aug 2022

- Developed a micro-service and deployed it using **Docker** to add golden signal functionality to the SRE Dashboard to efficiently monitor distributed applications.
- Engineered the back-end to compute performance metrics using **Python**, and wrote trigger functions using **PostgreSQL** to draw live-time trends that represent the overall performance of a service.
- Reduced mean time to detect and mean time to resolve issues found in services by 99%.

Oracle Database Developer Intern | Regeneron

Rensselaer, NY | May 2021 - Aug 2021

- Enhanced report customization using **PL/SQL** in **Oracle Database 12c** to help Regeneron colleagues from all departments to have better work efficiency.

SKILLS

Programming Languages:	Java, Kotlin, C/C++, Python, SQL, PL/SQL, HTML, CSS, XML
Libraries/Frameworks:	NumPy, Pyscopg, ReactJS, Vue.js, Jest
Tools / Platforms:	Git, Docker, Jira, Figma, Linux/Unix, Gradle, Maven, Vite, Postman
Databases:	Postgres, Oracle Database 12c, MS SQL Server, MongoDB

PROJECTS / OPEN-SOURCE

AssistGo! | [Link](#)

Android Java, MongoDB, Twilio API, Figma

- Implemented Voice and Video Call using the Twilio API, CRUD Contact list synchronous with the local device contact list, and SMS messaging using BroadcastReceiver.

Karnivalli | [Link](#)

ReactJS, Django, Redis, PostgreSQL, Heroku

- Developed a multi-player minesweeper game, created sound effects, and made UI enhancements.

Anonymizer | [Link](#)

Python

- Developed client-server application that anonymizes user specified words from a text file using two reliable data transport protocols, TCP and UDP with stop-and-wait protocol.

LEADERSHIP AND ENGAGEMENT

CodePath | Member

Remote | Feb 2022 – Present

- Completed the Advanced Android Kotlin University course with Honors.
- Completed the Advanced Software Engineering course.

IEEE Student Branch | Member

Remote | Apr 2020 – Present

- Presented a workshop on coding patterns and how to recognize them.

Girls Who Code – Capital Region | Club Facilitator

Remote | Sep 2021 – June 2022

- Helped and mentored young women to explore their interest in computer science and how it can be used to have an impact their community, teaching them programming in HTML/CSS.