Ahmed Boutar

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EDUCATION

University of Rochester	Rochester, NY
Bachelor of Science, Computer Science, Cumulative GPA 3.62/4.0	*May 2022*

- Honors: Whipple Science & Research Scholarship, Dean's list: Fall/Spring 2018, 2019, 2021, 2022
- Minors: Mathematics, Audio Music Engineering
- Teaching Assistant: Database System (CSC261): Fall 2021/Spring 2022
- Certifications: AWS Cloud Practitioner

WORK EXPERIENCE

Wetware Biosystems	Remote
Full-Stack Software Engineer	*February 2023*

- Designed and implemented a full-stack web application built using React, Node.js, Express, and MongoDB from scratch, allowing the company to manage the devices they manufacture; used Redux for state management
- Developed a calendar feature that allows users to schedule events and for Admins and Managers to schedule device inspections
- Implemented a basic Auth workflow using the bcrypt library and JWT; created the data models and the database schemas
- Implemented industry standard practices to deliver an intuitive, information-rich system that met the needs of the company

JD Software	Salem, Massachusetts
Junior Software Engineer (Technologies used: Angular, Postgres, TS, JS, C#)	*August 2022-January 2023*

- Implemented new features to the ASP .NET App used by the Massachusetts Department of Health to improve their workflow
- Designed and built an excel upload feature to update different users' information across different SQL tables from the excel sheet saving the Deputy Director of Accounting 2 hours/week on average
- Designed and configured meta-data for all of Massachusetts Controlled Substances Registrations to digitize them, allowing health professionals to apply for them online
- Discussed different project requirements with the Department of Health officials and translated them to the team into SQL operations to ensure proper implementation of the different licenses issued

Polly (DealerPolicy)	Burlington, Vermont
Software Engineer Intern (Technologies used: C#, React, TS, Git, Azure)	*May 2021-August 2021*

- Added new features to the React Web App used internally by the internal service departments to improve their workflow
- Designed and built feature which pays users based on their unique ID, saving customer service 10 minutes per use
- Updated API on company's most used mobile app to allow users' payments based on their organizations (+200 requests/day)
- Introduced API allowing clients to safely access users' data, updated UI to display data shared by the company's partners through API endpoints, and added back-end logic to offer reporting and analytics
- Created new data models to improve structure; added the required microservices and API calls
- Created migration scripts to transfer data across Azure storage tables to preserve data integrity (6,000+ entries per migration)
- *Internal hackathon*: in a team of 2, created PowerShell scripts to automate the sending and receiving of coding challenges to potential candidates, saving the manager about 15 minutes per candidate

COMPETITIONS

Brick Hackathon Competition (*Repository: https://bit.ly/3timMqh*)	Rochester, NY
Participant	*January 2020*

- In a team of 2, designed and implemented a web app for Wegmans' customers to easily scan their available ingredients and receive recipe recommendations; app would return recipe with the least number of missing products in case of a no match
- Created web scraper that fetches ingredients needed for recipes stored in Wegmans database using Python Beautiful Soup library

Hult Prize Competition	Rochester, NY; San Francisco, CA
Member and Co-founder of Forty-Two, Regional Finalist	*January 2019*

- Developed and pitched the idea of an online private tutoring platform in the Mediterranean region that acts as a mediator between students and tutors, projecting more than 10,000 job creations in 10 years
- Selected as one of six regional finalists among the 40 participating teams in the Regional Summit in San Francisco

SKILLS & INTERESTS

- Programming languages & technologies: Python, Angular, ASP .NET, Java, C, JS, TS, C++, Postgres, MySQL, Swift, Azure, Node JS, AWS, React, Entity Framework, Express, MongoDB, Mongoose
- Languages: Native in Arabic; Fluent in French and English; Intermediate in Italian
- Interests: DJing, Music Production (Sound Cloud link: https://soundcloud.com/moor-mus)