Areen Khalaila

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EDUCATION

Brandeis University   Waltham, MA
Bachelor of Science in Computer Science and Physics | GPA 3.8   *Expected May 2025*
- Awards & Honors: The Malkin Israeli Endowed Scholarship, Dean's List all semesters
- Relevant Coursework: Fundamentals of Software Engineering, Operating Systems, Data Structures, Advanced Java, Intro to Python, Calculus, Probability and Statistics, Linear Algebra, Intro to Physics I and II, Intro to Physics Lab I and II, Waves and Oscillations, Thermodynamics

EXPERIENCE

Teaching Assistant: Advanced Programming Techniques in Java   Aug 2022 – Present
Brandeis University   *Waltham, MA*
- Taught a class of 100+ students on advanced programming techniques in Java
- Conducted weekly office hours, graded assignments and exams using JUnit tests and edited course materal
- Enhanced students' grasp of Object-Oriented Programming and Data Structures

Software Engineer intern: TAMID Group Technology Consulting   Sep 2022 – Dec 2022
TAMID Group at Brandeis University   *Waltham, MA*
- Selected as a software engineer intern to provide technology consulting services to Israeli client companies
- Built a chatbot that communicated with teacher users through Google Chat and connected it via Google API, and created a Google Stream Engine to upload learning cycles to Google Classroom Stream
- Enhanced communication and learning experience for teachers through seamless integration between the chatbot and Google Classroom

Peer Tutor of Computer Science and Math - SSSP   Aug 2022 – Dec 2022
Brandeis University   *Waltham, MA*
- Tutored first-generation students in computer science and mathematics courses
- Improved academic performance through personalized support and guidance
- Improved the academic performance and success of first-generation students by providing personalized support and guidance in computer science and mathematics courses

Teaching Assistant: Introduction to Problem-Solving in Python   Jan 2022 – Aug 2022
Brandeis University   *Waltham, MA*
- Assisted in teaching an Introduction to Problem-Solving in Python course
- Improved students' problem-solving and coding skills, edited course material and graded assignments and exams
- Demonstrated students' improved understanding through successful completion of assignments and exams

PROJECTS

Classical Music Blog | *C#, ASP.NET, HTML/CSS, SQL*   Sep 2019 – May 2020
- Designed and implemented a full-stack blog providing CRUD operations on users and music
- Selected by the Computer Science Department at school to present my website to a class of 35+ students
- Leveraged knowledge in relational databases, backend, and frontend development

GPT-based Web Apps | *Python, Flask, HTML/CSS*   Mar 2023
- Created multiple GPT-based web applications using Flask and prompt engineering to generate useful responses to user queries
- Demonstrated effective use of Git for version control and project management
- Demonstrated proficiency in web development and teamwork skills

Creative Express App with chatGPT | *Express, Mongoose, MongoDB, EJS + OpenAI*   May 2023
- Developed a full-stack web app that utilizes OpenAI's chatGPT API to generate responses to user queries
- Implemented user authentication and data storage of API requests using Express and Mongoose
- Demonstrated proficiency in backend and frontend development with technologies such as EJS and MongoDB

TECHNICAL SKILLS

Programming Languages: Java, Python, C#, SQL, JavaScript, Bash and shell scripting
Web Development: ASP.NET, HTML/CSS