Alparslan Kilinc

Software Engineer

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Education

Stony Brook University **Stony Brook, NY**

Bachelors of Science in Computer Science, 3.62 GPA *Expected May 2024*

- **Selected Coursework:** Analysis of Algorithms, Computer Networks, Systems Fundamentals

Technical Skills

Languages: Java, JavaScript, Python, C++, C

Technologies/Frameworks: React, MongoDB, Express, Node, DynamoDB, Elasticache, HTML5, CSS3, Git

Experience

Amazon **New York, NY**

Software Development Engineer Intern *May 2023 - August 2023*

- Integrated an LLM API into an internal tool at Amazon, aiming to decrease reliance on external searches during the application's verification stage. This initiative targets the reduction of research time, which currently constitutes 70% of the verification process done manually by users.
- Incorporated Anthropic's Claude-2 language model through their API to automatically generate accurate useful information for users.
- Implemented back-end caching solution to reduce API costs by reusing generated texts, and enable fast data-retrieval.

Personal Projects

Playlister **MongoDB, Express, React, Node**

- Developed and deployed a music video streaming platform, with a responsive layout.
- Implemented robust security features including user accounts, authentication, and authorization using JWT and BCRYPT, ensuring data privacy and protection.
- Integrated the YouTube I-frame API by creating a react wrapper class, resulting in a user-friendly interface for playlist navigation, video playback, pausing, and playing.

College Data Management System **Java, JavaFX**

- Developed a desktop application in java for data entry, edit, update and deletion. This application allows users to manage college staff and students data.
- Implemented object oriented programming principles and utilized JAVAFX for user-interface of the application.

Pixel Sketch **HTML5, CSS3, JavaScript**

- Developed a sketching web application enabling users to click and drag to draw on a grid, utilizing CSS Grid and JavaScript.
- Implemented user-friendly features such as adjustable grid size, color palette, random color generator, eraser, toggle-able border lines, and a clear function to enhance drawing experience.
- Enhanced the project's interactivity and user engagement by allowing full drawing capabilities on the grid, contributing to a more intuitive and enjoyable user interface.

Awards

NSF Scholarship in Science **Selden, NY**

National Science Foundation *Sep 2021*

- Awarded National Science Foundation (NSF) STEM Scholarship for academic excellence in pursuing a degree in Computer Science

Dr. Frey Family Foundation Scholarship **Selden, NY**

SCCC Computer Science & Mathematics Department *Dec 2021*

- Awarded Dr. Frey Family Foundation Scholarship for academic excellence in Mathematics & Computer Science studies.