Akriti Keswani

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Education

Drexel University, *Philadelphia, PA* *Graduated June 2022*
Dual Bachelor of Science in Psychology (Pre-Medical - Honors) & Computer Science

Lone Star College, *Kingwood, TX* *Graduated May 2017*
Associate of Science

Selected Coursework:
Data Structures and Algorithms, Systems Programming (C/C++), Functional Programming (Haskell), Operating Systems (C), Artificial Intelligence, Software Design Patterns (Java), Web and Mobile Development (JavaScript), Theory of Computation, Computational Photography, Systems Architecture

Work Experience

BlackRock *August 2022 - Present*
Software Engineer - Aladdin Product Group San Francisco, CA
- Built a microservice handling exceptions for a dashboard that resolved thousands of post-trade accounting transaction entries, using Java Spring.
- Developed a core part of a micro front-end utilized in foreign exchange currency transactions for the portfolio monitor, using AngularJS.
- Utilized gRPC framework to establish client-server communications for an internal messaging system.

J.P. Morgan Chase & Co *September 2020 - March 2021*
Software Engineering Intern - Intelligent Automation Team Newark, DE
- Designed a parser to extract relevant data for the automation team from Outlook emails using Python, Java, and Alteryx, which is now used by over 6 teams internally.
- Developed an automated workflow using C++ and SQL for identifying unmapped entries on balance sheets. reducing workflow time by 23%.

Merck Sharp & Dohme *October 2019 - March 2020*
Software Analyst - Global Oncology Policy Team Kenilworth, NJ
- Optimized the internal search engine using Microsoft Sharepoint Developer Tools and Javascript, CSS and HTML resulting in 28% improvement in page load time.
- Redesigned the lower middle-income country metrics data workflow using Python and Jupyter Notebooks

Selected Projects

- **MultiPlayer Chess Online** – A live, online chess game developed in React.js & Socket.io, which allows two players to play chess in real time, including validation checks on moves. Built a decision tree model to allow the users to play against the PC.
- **Bandfran** – Django web application integrating Spotify API to connect users based on their music interests. Developed matching algorithm using heuristics based on user's playlists and genres.
- **Mock Stock Exchange** – Web application using Node.js, React.js, Google Firebase, and IEXCloud API with user authentication, allowing one to buy shares of stocks with "trial" money and challenge other users in terms of profit.
- **Rewire** – Chrome extension + Django web application tracking focus study sessions and time spent on other tabs that may relate to social media aiming to resolve productivity time sinks for users.

Skills

- React.js, Django, AngularJS, Azure DevOps, Spring (Java)
- C, C++, Python, Java, Racket/Scheme (Functional), Haskell

Awards & Recognition

- **Fellow** Rewriting the Code *September 2021 - Present*
- **Technical Content Creator** Drexel Algorithms and Data Structures *January 2021 - June 2022*