

AKRITI KESWANI

✉ akritikeswani76@gmail.com | 🌐 akritikeswani.me | 📄 AkritiKeswani | 📧 Akriti Keswani | in akriti-keswani

EDUCATION

Drexel University, Philadelphia, PA

Dual Bachelor of Science in Computer Science & Psychology (Pre-Medical - Honors)

Anticipated June 2022

GPA: 3.36

Lone Star College, Kingwood, TX

Associate of Science

Graduated May 2017

GPA: 3.94

Selected coursework (* - Residential Tutor) :

Data Structures and Algorithms*, Systems Architecture, Systems Programming (C/C++), Functional Programming (Haskell), Operating Systems (C), Software Design Patterns (Java)*, Web and Mobile Development (JavaScript)*, Graphical User Interfaces*, Theory of Computation, Database Systems, Computational Photography

WORK EXPERIENCE

J.P. Morgan Chase & Co

Software Engineering Intern - Intelligent Automation Team

September 2020 - March 2021

Newark, DE

- Designed a parser to extract relevant internal 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** which simplified the process of identifying unmapped balances on balance sheets, and **reduced workflow time by 23% (based on user studies)**.
- Restructured and redesigned **attribution scripts** and **RPCs** in **Python** which led to **improved code quality** and **increased productivity** for the Interest Risk Reporting team.

Merck Sharp & Dohme

Software Analyst - Global Oncology Policy Team

October 2019 - March 2020

Kenilworth, NJ & San Francisco, CA

- 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 immunotherapy metrics data workflow using **Python** and **Jupyter Notebooks** which resulted in **over 8% quicker** access to the relevant data.
- Developed the data pipelines along with the web interface** for depicting relevant updates in recently published research journals.

Housing and Residential Life, Drexel University

Resident Assistant (RA)

January 2021 - Present

Philadelphia, PA

SELECTED PROJECTS

- Text Editor** – Built purely in **C** with multi-threading, using a doubly linked list representation with lines which allows advanced editing features such as vertical bar command, moving, deleting, and prefixing lines.
- 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.
- TOT Spot** – Mobile application built using **React Native** and **AWS Rekognition** allowing users to scan and identify celebrity images using facial recognition capabilities based on machine-learning algorithms.

AWARDS & RECOGNITION

- Fellow** Rewriting the Code September 2021 - Present
- Technical Content Creator** Drexel Algorithms and Data Structures January 2021 - Present
- Mentor** Drexel Women in Computing Society August 2019 - Present
- Volunteer** BeTheMatch National Marrow Donor Program August 2013 - Present
- Co-organizer** UNWomen Annual Gender Equality Rally March 2016 - March 2018