Andrew Lin

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EDUCATION

Tufts University   Medford, MA
Bachelor of Arts in Computer Science, Minor in Mathematics/Economics   ***Currently Graduating 2026***
- GPA: 3.6
- Relevant Coursework: Data Structures, Machine structure and Assembly Language Programming
- Future classes: Algorithms, Bridge to Higher Mathematics

EXPERIENCE

Chryselys   June 2023 – August 2023
Software Development Intern   *Remote*
- Engineered a data visualization tool to create charts and word clouds based on Twitter user data
- Designed a web scraping tool capable of extracting HTML tables from a website and export them into a spreadsheet, simplifying data collection and analysis processes
- Led the development of a PDF comparison tool, investing over 50 hours to create a robust solution. This tool efficiently detects and highlights the differences between two PDF documents

Kumon of Darien   August 2019 – August 2023
Senior Worker   *Darien, CT*
- Provide personalized instruction and tutoring to those who encountered difficulties in grasping the subject matter.
- Assume the crucial role of grading and correcting classwork and homework assignments for Kumon students.
- Displayed leadership and adaptability by taking charge of operations during periods when the supervisor was unavailable, maintaining a smooth learning environment and effective support for students.

Private Tutor   June 2022 – August 2023
Self Employed   *Darien, CT*
- Provided private tutoring for students learning math during college breaks and vacations
- Teach students math ranging from prealgebra to precalculus

PROJECTS

Document Comparison | *Python, PDF*   July 2023 – August 2023
- Led the development for a PDF comparison tool during an internship
- Created comparison algorithm that determines if different text is unique or just text that has been moved
- Developed highlighter tool capable of highlighting specific words in PDFs
- Worked with mentor to create frontend for tool that provides ease of access for users

CY-BORG Sheet | *HTML, JS, Node, SQLite3*   June 2023 – Present
- Developing a website for character sheets and data for the TTRPG CY-BORG
- Using SQLite3 to hold user data and character data, as well as storing information from the game
- Learning fullstack development and the Node framework
- Will eventually allow for users to create their own characters for use in real CY-BORG games

Twitter Plotter | *Python, Pandas, Matplotlib*   June 2023 – June 2023
- Developed data visualization tool for twitter user and tweet data during internship
- Used pandas to hold and visualize data into readable charts and graphs
- Utilized matplotlib to create word cloud containing keywords in user's tweet.

SKILLS

Languages: Python, C/C++, SQLite3 , JavaScript, HTML/CSS, Node, Express
Frameworks: Express
Developer Tools: Git, VS Code, Linux, Bash, Vim
Libraries: pandas, Matplotlib PyPDF, PyMuPDF