

AJ MATHESON-LIEBER

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EDUCATION

Claremont McKenna College, Claremont, CA

Bachelor of Arts | Philosophy, Math, and Computer Science

- GPA: 3.96 / 4.00
- Awards: Dean's List 23/24 and National Merit Scholar Finalist
- Activities: Product Space Fellow, Club Basketball, and ASCMC Athenaeum Advisory Committee
- Relevant Courses: Intro to Computer Science, Principles of Computer Science, Data Structures and Program Development, Principles of Economic Analysis, Multivariable Calculus, Linear Algebra, and Discrete Math

EXPERIENCE

Graphite Group – Claremont, CA

Sep 2024 – December 2024

UI/UX Consultant for IBM

- Designed a data review tool for IBM's InstructLab, improving efficiency in WatsonX AI's model training process
- Ideated, implemented, and presented custom features to improve usability and collaboration
- Contributed 3 low-fidelity UI prototypes and 5 high-fidelity custom components in Figma for IBM InstructLab team
- Validated prototype through user testing with IBM developers improving navigation, commenting, and user efficiency.

P-ai (AI and SWE Club) – Claremont, CA

Nov 2024 – December 2024

Full-stack Engineer and Product Designer

- Designed, developed, and shipped AI-powered pdf reader application to the web (easydocumentreader.com)
- Developed Python/Flask backend to convert PDF into speech using LMNT TTS and Azure web services OCR
- Implemented user authentication and security measures including JWT use and password protection

Faluna LLC – Seattle, WA

May 2024 – August 2024

Technology and Strategy Intern

- Designed company website, planned photoshoots, and developed content and ads resulting in 50k+ impressions
- Interviewed costumers, performed A/B testing, and developed data informed branding and marketing strategies
- Created, tested, and implemented SEO strategy, moving company website from unlisted on Google to an average position of 5 with 20% CTR resulting in 1000+ site visits over 3-month period

PROJECTS

AI Generated Cover Art for Spotify Playlists | *Python OpenAI, Spotify*

July 2024

- Developed a Python program that automatically generates unique and relevant cover art for users Spotify playlists
- Integrated OpenAI and Spotify APIs to retrieve user data, generate prompts and images, and upload to Spotify

Synthetic Pinterest Pins | *Python, PyTorch, Selenium*

July 2024

- Developed web scraping application to automatically download pinned images from my personal Pinterest account
- Utilized Python and PyTorch along with the GAN model architecture to design, implement, test, and train 2 custom deep convolutional neural networks to create synthetic images based on my personal Pinterest preferences

LEADERSHIP EXPERIENCE

- Maitre D' at The Marian Miner Cook Atheneum | Communication, Service, Management
- First Year Guide (FYG) for Incoming College First Years | Mentorship, Leadership, Community Building
- Research Assistant for The Gould Center for Humanistic Studies | Communication, Project Management, Research

SKILLS & INTERESTS

- **Languages:** Python, Java, JavaScript, C++, HTML/CSS, and MATLAB
- **Software:** Flask, Django, React, Tailwind, Git, Github, Pandas, PyTorch, Figma, Canva, Adobe Suite, CapCut, Meta Business Suite, Google Workspace, and Microsoft Office Suite
- **Interests and Hobbies:** Art, Philosophy, Feminist and Critical Theories, and Fashion