Matthew Chin

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EDUCATION

University of Maryland — College Park, MD
Bachelors in Computer Science, Minor in General Business — *Jan. 2024 – May 2027*

EXPERIENCE

Colexia — Remote
Development Intern — *Jun. 2025 - Present*

- Developed product indexing + script algorithm for item sorting and organization to extract clean datasets and auto populate company datasets, containing tens of thousands of product data nodes
- Contributed to backend application services using Python+beautifulsoup4
- Started development on waitlist website framework and drafted application using FireBase

UMD Digital Media Engagement Lab — College Park, MD
Undergraduate Researcher - Data Visualization Team — *Feb. 2025 - Present*

- Contributed to an undergraduate research team focused on analyzing Digital Media interactions and their data to explore engagement metrics, interaction patters, and attention algorithms
- Co-Developed a live news web scraper app and a Chrome Extension to execute the labs mission and to scrape/visualize metadata from local journalism platforms such as the *the Baltimore Banner*
- Engineered live data visualizations using JavaScript, Chart.js, Next.js and TypeScript

Stone Rehabilitation & Senior Living — Newton, MA
IT Help Desk Technician & Receptionist — *Aug. 2020 - May 2023*

- Executed data entry for patient records into company database, creating efficient indexing.
- Assisted in updating and troubleshooting outdated software systems and broken hardware within facility
- Maintained a smooth, technology friendly environment through customer support and employee assistance.

PROJECTS

- **VFC Community App**: Contributed to full stack, cross-platform church community application using React Native and FireBase to serve 250+ members, implementing event management, push notifications and 2FA
- **Smart Story Agent**: Co-engineered full stack web app to examine news articles live, using personally curated algorithms to analyze the interactivity and overall engagement metrics. Implemented content analysis using Claude API integration and UI/UX + data visualizations using Framer Motion
- **Baltimore Banner Scraper**: Co-engineered a Chrome Extension using JS, HTML, CSS and Chart.js to scrape and plot key media metrics and metadata from the Baltimore Banner, a local news website. Plotted metadata on various charts to visualize interactivity of local articles

SKILLS + CERTIFICATIONS

- **Languages**: Java, C, Python, Rust, OCaml
- **Mastercard**: Cybersecurity Job Simulation (Forage Certification)
- **AWS**: Developing Machine Learning Solutions (Coursera)
- **University Coursework**: OOP I/II (CMSC131/132), Discrete Structures (CMSC250), Computer Systems (CMSC216), Applied Statistics (STAT400), Algorithms (CMSC351), Organization of Programming Languages (CMSC330), Cryptography (CMSC456), Computer Networks (CMSC417)
- Seal of Biliteracy (Spanish+English, 2022)