KATHIR MEYYAPPAN

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EDUCATION

University of Chicago - Computer Science + Mathematics ; GPA: 3.97 *September 2022 - May 2025*

Relevant Coursework: Systems Programming, Theory of Algorithms, Database Systems (Graduate), Abstract Linear Algebra, Real Analysis, Discrete Mathematics, Calculus, Statistics, Math Foundations for ML, Waves & Optics, Probability Theory
Leadership/Involvement: Algo Group, Japanese Animation Society (Acquisitions Officer), House Council (Secretary)
Awards: Dean's List 2022-2023 (top 10%), 3x AIME Qualifier

EXPERIENCE

Expedia **Seattle, WA**
Software Development Engineer Intern *June 2024 - August 2024*
- Incoming, Summer 2024 - Internal Tools Development Team

UChicago Institute of Politics **Chicago, IL**
Software Developer *October 2023 - December 2023*
- Worked in a small team to programmatically identify malicious false-citation practices in ~200 politically charged flyers.
- Utilized LLM (Llama2) / regex to identify 1000+ misinformation sources and pipeline data into Google Drive workflow.

Dräger **Andover, MA**
Software Engineer Intern *June 2023 - September 2023*
- Solved bottleneck issue in product lifecycle by streamlining defect report auto-generation, decreasing manual hours by 85%.
- Developed, documented, and deployed internal tool (using C#), automating quarterly FDA communication process.
- Pushed triangular and sine wave functionality to ECG simulator application for heartbeat monitoring and testing.
- Wrote OpenXML scripts in backend to execute 2500+ queries per day from Jira database to generate and file reports.
- Created API documentation for internal users to extend report generation functionality across departments.

Valtitude **Woburn, MA**
Data Science Intern *June 2021 - August 2021*
- Utilized data science packages and ARIMA methods to predict trends in multi-faceted client data in the supply chain sphere.
- Documented utility of various time series processes in demand forecasting, using R to visualize and present findings.

PROJECTS

mangalert.com - Manga Serialization Notification Service | *Javascript, Python, Node.js, Google Cloud Platform, Firebase*
- MangAlert notifies 250+ users per month (via email and website) of followed anime/manga serializations that have ended.
- Built REST API with Node (Express) and deployed + hosted site, scheduled database/email updates, etc. using GCP.
- Securely hosted user data and media info in Firebase and displayed profile data to users with a React + Typescript frontend.

Unix Shell | *C, Bash*
- Fully functional Unix shell written from scratch in C, with support for all Unix commands as well as built-in functions.
- Implemented output redirection through concurrent programming and wrote robust testing scripts with Bash to test shell.

SKILLS

Programming Languages: Python, C, C++, Rust, JavaScript, C#, R, SQL
Tools/Tech: .NET, Google Cloud Platform, Node.js, React.js, Git, SVN, Jira, Firebase, Microsoft Visual Studio, OpenCV
Languages: English, Japanese, Tamil