KEVIN L. WANG

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EDUCATION

University of Michigan, Ann Arbor **September 2020 – May 2024**

- B.S.E. in Computer Science. Major GPA: 4.81
- Minors in Honors Mathematics and Statistics. GPA: 3.73

COURSEWORK

EECS:	Machine Learning (553), Operating Systems (482), Networks (489), Web Systems (485)
MATH/STATS:	Honors Real Analysis (297), Probability (525), Statistics (426), Computational Statistics (406)
Current:	Statistical Inference (STATS 610), Honors Analysis I (MATH 395), Reinforcement Learning (EECS 498)

EMPLOYMENT

Software Engineer, Intern **Summer 2023**

Raytheon (Physical Sciences & Systems)

- Created an IPMI server application to monitor and analyze server performance.
- Integrated ethernet into the application to allow users to run the tool remotely.
- Created and maintained documentation for application code, including technical specifications.
- Leveraged knowledge in Git, RHEL8 Linux, C, Bash, Vim.

Product Manager, Intern **Summer 2022**

Optum Healthcare

- Led an effort to remodel Digital Identity user interface, improving user experience for **30,000+ users**.
- Resulted in the successful delivery of a new product feature and generated **$400,000 in savings**.
- Collaborated with engineers and managers to analyze requirements; also presented results to stakeholders.
- Facilitated code reviews and provided feedback to improve code quality, maintainability, and readability.

Research Assistant **Fall 2021 – Spring 2022**

Dept. of Mathematics, University of Michigan

- Worked under the guidance of Dr. Qi Feng to research stochastic integrals and their applications to ML.
- Applications included using stochastic integrals for feature extraction and as neural network layers.
- Responsible for calculating Volterra signatures on discrete data sets and assisting with model training.
- Leveraged knowledge in Python, VSCode, Jupyter Notesbook, and Git.

SOFTWARE PROJECTS

Personal website: *www.kevinlw.com (for additional information and projects)*

- **Class projects.** Instagram clone in Flask/Javascript/React, a Madreduce server, Pagerank search engine (EECS 485), thread library, virtual memory pager, network file system in C/C++ (EECS 482), video streaming CDN in C/C++ (EECS 489).
- **Machine Learning.** Scraped soccer data and used logistic regression to predict match results. Python, Scikit-learn.
- **Volterra Signatures.** Scientific program to numerically solve Volterra signatures. Python, Scipy, Numpy.
- **Pairs Trading.** Automated statistical arbitrage strategy. Python, Pandas, Numpy, Google Cloud Platform.

EXPERIENCE & AWARDS

- **Quantitative Investment Society (UofM).** Club of 20 members. Developed projects and interests in quantitative finance.
- **Michigan Hackers (UofM).** Machine Learning team lead. Led an image classification project in a club of >100 members.
- **ACSL Finalist (2020).** Selected out of >5,500 participants to compete in the ACSL HS Programming Finals.
- **First Place, EMU (2019).** Team placed 1st out of >40 teams in the EMU HS coding competition.
- **USACO Silver (2018).** Competed in the silver (3rd highest) division of the USACO monthly coding competitions.

LANGUAGES & TECHNOLOGIES

- *(Proficient)* C++; C; Python; Git; Bash; Unix *(Familiar)* SQL; R; Java; JavaScript; HTML; CSS; React; Flask; AWS