KEVIN L. WANG

(269) 271-9355 · kvnwng@umich.edu · www.kevinlw.com

EDUCATION

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

- B.S.E. in Computer Science. Major GPA: 3.81
- 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 a tool using **C** that efficiently monitors and analyzes server performance, providing enhanced operational insights.
- Integrated IPMI remote execution and eliminated the need for an internet connection, resulting in improved accessibility.
- Maintained documentation and technical specifications for application code to facilitate future developments.
- Leveraged knowledge in Git, RHEL8 Linux, C, Bash, Vim.

Product Manager, Intern **Summer 2022**

Optum Healthcare

- Spearheaded an effort to revamp the Digital Identity user interface, elevating the user experience for a user base of over **30,000 individuals** and resulting in significantly enhanced usability and overall user satisfaction.
- Orchestrated the successful delivery of the product feature and drove **cost savings of $400,000.**
- Collaborated with engineers, managers, and stakeholders to ensure alignment across key decision-makers.

Research Assistant **Fall 2021 – Spring 2022**

Dept. of Mathematics, U. of Michigan. (PI: Dr. Qi Feng)

- Researched stochastic integrals and their applications to deep learning and convolutional neural networks.
- Leveraged 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 MapReduce server, PageRank search engine (EECS 485), thread library, virtual memory pager, TCP/IP 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.

SKILLS & TECHNOLOGIES

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