Peter Zinkovsky

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Github: *https://github.com/peterz3*

Education

University Of Illinois Urbana-Champaign, IL

Bachelor in Computer Science and Statistics - 3.74 GPA, Dean's list   Graduating May 2022
- ➢ **Selected Coursework**: Distributed Systems, Databases, ML, AI, Systems Programming, Algorithms, Data Structures, Computer Architecture, Software Design Studio, Statistical Analysis, Advanced Stats
- ➢ Illinois Business Consulting, Sigma Phi Delta Engineering Fraternity, ACM, Intramural Soccer

Experience

Capital One, *Software Engineering Intern*   May 2020 – July 2020
- ➢ Part of Commercial Banking division working on app to toggle and add features within card platform
- ➢ Worked across three-tier architecture to develop front-end, middleware and database layers as well as automated deployment pipeline, using Angular, AWS lambda and Jenkins

Illinois Business Consulting, *Technical Consultant*   January 2020 – Current
- ➢ Provided consultation advice for a S&P 100 company on how to increase technology uptake of their internal simulation and modeling software

Systems and Platform Group, *Research Assistant*   April 2019 – Sep 2019
- ➢ Benchmarked edge-computing devices with machine learning tasks such as object detection and image classification, applied methods to optimize and compress neural networks
- ➢ Conducted research on a machine learning based memory management system for SSD's

Abbvie, *Software Engineering Intern*   April 2019 – August 2019
- ➢ Debugged and improved C++ code dealing with networking, file management and user authentication
- ➢ Developed backend of a face authentication service using Microsoft Face API with Node JS

Projects and Competitions

Ethereum Trading Bot
- ➢ Developed infrastructure for trading on the bitmex exchange using trend following strategies
- ➢ Automated backtesting system using orderbook data, applied multithreading for 15x speed increase

Market Simulator
- ➢ Worked on a team to develop a website for simulated market trading using virtual currency, used Django, SQL and Neo4j
- ➢ Developed feature for recommending users stocks based off of order history

Hackvie 2019
- ➢ Built and prototyped a wearable muscle sensor to detect muscle spasms and evaluate botox treatment
- ➢ Won "Most Impactful to Business" prize

NCSA-NVIDIA AI Hackathon
- ➢ Won second place in developing a neural-network to recognize song genres using the University's GPU-accelerated computing cluster
- ➢ Utilized GPU's for distributed training, done with Tensorflow and Keras

Skills

Languages: C++, Python, C, Java, JavaScript, SQL, MongoDB, Neo4j, Node JS,CSS
Technologies: AWS, Docker, Pytorch,Express, Angular, Jenkins, Node, Git
Certificates: AWS Solutions Architect Associate(upcoming)