Kevin Jun

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EDUCATION

University of Chicago   **Class of 2021**
M.S. – Computer Science
Relevant Coursework: Algorithms, Bioinformatics, Cloud Computing, Computer Architecture and Systems, Distributed Systems, High Performance Computing, Parallel Programming*, Applied Financial Technology*, Functional Programming*, Compilers*

*to be taken in subsequent quarters

Northwestern University   **Class of 2015**
B.A. – Economics and Political Science
Relevant Coursework: Calculus, Econometrics, Statistics

EXPERIENCE

Wolverine Trading   **Chicago, IL**
Software Engineering Intern   *June 2020 – August 2020*
- Developed and designed application to monitor health of and issue commands to order-routing servers, significantly improving support team workflow and providing framework to expand application to fit all server types
- Created new Google ProtoBuf message schema to populate application UI configurations, issue commands and responses, and pass status messages
- Designed front-end UI and extended back-end message passing architecture, wrote documentation, and communicated with Support and Development teams to identify workflow bottlenecks, gather feature requests, and demo application

Conversant   **Chicago, IL**
Senior Analyst – Analytics   *October 2017 – October 2019*
- Managed portfolio of five clients, guiding account strategy via custom analyses and growing revenue 2x from \$15MM to \$30MM over duration of management
- Developed PostgreSQL function to automate reporting for largest retail client providing aggregated data for Tableau-based BI platform, decreasing manual reporting time by 100%
- Built and deployed statistical significance testing framework for incremental campaign performance across 40% of clients and 90% of Tier 1 (>\$5MM in revenue) clients, leading to increased awareness of client health and identification of performance contaminants

The Allstate Corporation   **Northbrook, IL**
Management Consultant   *May 2017 – Oct 2017*
- Developed Go-To-Market strategy to increase Allstate multicultural market share, leading consumer insights research and creation of organizational structure for multicultural task force; left Allstate before strategy was deployed

PROJECTS

Cage Search (2020 – in progress)   **Python, Flask, AWS**
- Search application that takes user inputs and returns movie recommendations starring Nicolas Cage
- Generates list of movie recommendations with "likeliness-to-enjoy score" using content-based and collaborative filtering

Cache Emulator (2020)   **Java, C++**
- Computer emulation of Von Neumann architecture containing CPU, RAM, and L1 cache – capable of high-performance computing testing algorithms such as daxpy, matrix multiplication, and block matrix multiplication
- Includes options for different read and write miss policies, replacement policies, and RAM/cache/block sizes to test and optimize algorithmic performance
- Matrix multiplication of two 512x512 matrices using emulated L1 cache of full associativity runs in 7 minutes

Asteroids Variant (2019)   **Java, Swing, IntelliJ**
- Multithreaded computer game akin to popular arcade game Asteroids with altered maneuvering and shooting mechanics
- Utilizes stacks, queues, and double buffering to achieve stutter-free frame refreshes

SKILLS & INTERESTS

Languages: Java, C/C++, C#, Python, SQL, R, HTML/CSS
Tools & Frameworks: AWS, Docker, Flask, CUDA, MPI, OpenMP
Interests: HPC, Distributed Systems, UI/UX, Film, Music, Cooking, Travel, Sustainability, My dog