

Michael Cheung

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TECHNICAL WORK HISTORY

Esbenshade Consulting Consultant December 2021 – Current

- Migrated and optimized game servers, increasing profit margins by 80% by saving \$2/month/player in network costs
- Designed a distributed static analysis on trillions of lines of code to deliver analytics and business insights
- Ensured business, file system, and RAID level data integrity of a 40 TB database, recovered client's data from hardware and file system level corruption

Antebauer LLC Founder Apr 2018 – Current

- Used natural language processing to extract price signals from social media sources
- Used Wireshark to analyze network packets and reduced execution latency to 5 ms

Apollo.io Software Engineer Mar 2017 – Apr 2018

- Led a team of engineers to develop a predictive scoring system that improved the success rate of our clients' outreach campaigns
- Handled candidate sourcing, conducted interviews, and streamlined outreach methodology; recruited a key engineer who filled a major skill gap on our team
- Increased sales and retention by syncing client data with Salesforce and HubSpot

Google Software Engineer Feb 2015 – Mar 2017

- Reduced CPU usage by 75% by caching a critical data serving platform
- Rectified corrupted metadata, saving key partners 30 hrs/week of work each

Naval Research Lab AI Research Intern May 2014 – Aug 2014

- Developed intelligent control systems for autonomous underwater vehicles

Los Alamos National Lab Earth Science Intern Jan 2011 – June 2011

- Developed a post-processing tool for debugging, interpreting, and visualizing simulations - a tool that is still being used and maintained to this day.

INDEPENDENT PROJECTS

Created a food web simulation to test a variety of predator/prey strategies, including hard coded, reinforcement learning, and neural net strategies (2017-2018)

Used convolutional neural net template matching to play a mobile game (2014-2017)

Used computer vision to navigate and track entities in a multiplayer game (2011-2013)

SKILLS

Languages: Kotlin, Java, Python, Solidity, C++, Javascript, Typescript, Ruby, L^AT_EX, ANTLR

Frameworks/Tech: Web3J, Web3JS, Ethers JS, MongoDB, Supervisor, mdadm, Debian-based Linux, React, Redux, AWS (EC2, S3, Lambda), Gradle, Datadog

EDUCATION

Lehigh University - Fellowship in Computer Science - 3.90/4.00 2013 - 2014

Elizabethtown College - BS in Math and Physics - 3.94/4.00 2009 - 2013