Michael Cheung

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TECHNICAL WORK HISTORY

Esbenshade Consulting   **Consultant**   **December 2021 – Current**
- Optimized game servers to reduce network costs, increasing client profit margins by 80%
- Designed a distributed static analysis on trillions of lines of code to auto-detect bugs
- 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 trade 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

Developed a code-by-voice system that works on any OS and is used by others (2020-Current)

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, C++, Javascript, Typescript, Ruby, Solidity, LaTeX, ANTLR

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

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