

Michael Sze-Yu Cheung

San Francisco, CA

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TECHNICAL WORK HISTORY

- **Coyn** San Francisco, CA
• **Co-Founder & CTO** Apr 2018 – Current
 - Analyzed live and historical exchange rates while factoring sources of market friction to leverage market making and arbitrage opportunities and simulate forex binary options
 - Generated real time metric visualizations (e.g. volume, profit, slippage) for investors
 - Sourced and advised engineers who integrated exchange APIs
 - Automated the provisioning and deployment process on AWS
- **Apollo.io** San Francisco, CA
• **Software Engineer** Mar 2017 – Apr 2018
 - Led a team of engineers to develop a predictive scoring system that ranks companies by how likely they will close a deal with our clients
 - Handled candidate sourcing, conducted interviews, and streamlined outreach methodology. Recruited a key engineer that filled a major skill gap on our team.
 - Increased sales and retention by integrating with a popular marketing site's API
- **Google (YouTube)** Mountain View, CA
• **Software Engineer** Feb 2015 – Mar 2017
 - Reduced CPU usage by 75% by caching a critical data serving platform
 - Rectified bad metadata, which saved at least one of our partners 30 hours/week of work
- **Naval Research Laboratory - Applied AI Researcher** May 2014 – Aug 2014
 - Developed intelligent control systems for autonomous underwater vehicles
- **Los Alamos National Laboratory - Earth Scientist** Jan 2011 – June 2011
 - Developed a post-processing tool for debugging, interpreting, and visualizing simulations that is still used and maintained to this day, eight years later.

PROJECTS IN ARTIFICIAL INTELLIGENCE

- Developed an intelligent agent that uses computer vision to play a mobile game (2014-2017)
- Designed a computer vision algorithm to track entity positions in an MMORPG (2011-2013)
- Created a Q-learning agent that continuously tests and optimizes attack targets (2012)

SKILLS

- **Programming Languages:** Java, Kotlin, Ruby, C++, Python, Javascript
- **Frameworks/Technologies:** React, Redux, AWS (EC2, S3, CodePipeline), Ruby on Rails, MongoDB, Elasticsearch, Protocol Buffers, BigTable, Spanner, MapReduce, Flume

EDUCATION

- **Lehigh University - Fellowship in Computer Science** Aug 2013 - Dec 2014
 - GPA: 3.90/4.00
- **Elizabethtown College - BS in Mathematics and Physics** Aug 2009 - May 2013
 - GPA: 3.94/4.00