

David (Ka Chun) Cheung

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EDUCATION

CARNEGIE MELLON UNIVERSITY

PITTSBURGH, PA

B.S. in Information Systems, minor in Business Administration

May 2021

GPA 3.59/4.0

- **RELEVANT COURSEWORK:** Software Construction and Concurrency, Databases, Machine Learning, Web Applications, Algorithms, Optimization. Statistics, Marketing, Finance, Communications

PROGRAMMING EXPERIENCE

MICROSOFT *Software Engineering Intern* May-August 2020

PITTSBURGH, PA

- Developed and deployed C# REST API to import an exported package to SharePoint content centers so that new clients can understand how training, explanations, and text extraction work
- Created a PowerShell script to export models, associated training files, and metadata from SharePoint servers
- Collaborated with team members to design and create a user friendly UI for the import feature using React

LENOVO *Software Engineering Intern* June-August 2019

SHANGHAI, CHINA

- Built machine learning algorithms (Neural Nets, Logistic Regression, K-Means, etc.) from scratch or using popular machine learning libraries for an AI textbook and client demonstration purposes
- Resolved dependency issues to ensure various Jupyter Notebook files can run on Lenovo's testing environment
- Dockerized code to ensure smooth deployment and wrote supporting documentation to enable ease of future use

CARNEGIE MELLON COMPUTER SCIENCE TA (15-112) August 2019-December 2019

PITTSBURGH, PA

- Led recitations with 30+ students teaching students python and algorithmic thinking
- Provided feedback on code quality and correctness in homework, quizzes, and small group sessions

PROJECTS AND HACKATHONS

MARKET FRIEND *November 2018*

PITTSBURGH, PA

- Developed a stock screener that filters for stocks based on 16 fundamental factors such as P/E, ROA, etc.
- Created a comparison algorithm that sorts through 5000+ stocks returning the most similar companies
- Implemented SK-learn API's regression model with data set from IEX finance's API to arrive at price targets for stocks

FEMISPHERE CODESWITCH HACKATHON *Contestant April 2019*

PITTSBURGH, PA

- Developed the user management and data organization of our web app's backend using MongoDB stitch and JavaScript

HACK CMU *Contestant September 2018*

PITTSBURGH, PA

- Developed user interface and data organization for an automatic logo generator with AppleScript, JavaScript, and Microsoft's Computer Vision API

LEADERSHIP

VICE CHAIR OF JOINT FUNDING COMMITTEE *October 2018-May 2019*

PITTSBURGH, PA

- Coordinated with advisors to allocate a total of \$2.1 million to clubs and student activities
- Organized and led committee meetings ensuring approval of budget metrics and passage of budget

PEER TUTOR *Coordinating Tutor (CRLA Certified) January 2018-May 2020*

PITTSBURGH, PA

- Tutor college students in computer science and economics in both group and private settings
- Supervise tutoring location handling any staffing or student issues

UNIVERSITY STUDENT AFFAIRS COUCIL *September 2018-May 2019*

PITTSBURGH, PA

- Provided input and feedback alongside faculty and alumni to the Dean of Students of CMU resulting in changes to school wide policies governing faculty and student relationships

SKILLS AND HOBBIES

- **Coding:** Java || Python || Ruby || SQL || C || R || C# || JavaScript/HTML/CSS
- **Frameworks:** Django || Rails
- **Languages:** English || Chinese
- **Hobbies:** Astrophotography || Skiing || Camping || Hiking || Tennis