John J. Kim

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Education

Vanderbilt University, Nashville, TN — 2015 – 2019

- Dual Major: Mathematics (Honors Track), Computer Science
- Overall GPA: **3.66** / 4.00, Mathematics GPA: **3.77** / 4.00, Computer Science GPA: **3.74** / 4.00
- Minors: Financial Economics, Corporate Strategy

Work and Volunteer Experience

Accenture Innovation Garage — August 2017 - Present
Team Leader

- Leading a team of four to determine the appropriate strategy and means of implementation for a digital platform in the retail space.
- Developing the digital platform's functionality based on revenue opportunities derived from market analysis.

JMRK Consulting — May 2017 – September 2017
Co-Founder

- Co-founded and lead a student-run management consulting group.
- Analyzed market entry strategies, competitor landscapes, and revenue models, and designed slide decks.
- Completed three engagements with an AI startup before terminating due to non-compete obligations.

Vanderbilt University CompSustNet Laboratory — Summer 2017
Research Assistant

- Researched uses of natural language processing in promoting environmental and cultural sustainability.
- Used Python to create algorithms from scratch to scrape data from online sources, analyze sentiment and topic diversity within pieces of text, and capture quantitative representations of raw semantic data.
- Used HTML, CSS, and JavaScript to connect algorithms to a front-end user interface.

Vanderbilt Neuroscience Laboratory — August 2016 – May 2017
Research Assistant

- Implemented neural network learning algorithms used to simulate human cognition by modeling the inferior temporal cortex.
- Used UNIX to communicate with the Vanderbilt University ACCRE cluster.

Vanderbilt University Computer Science Dept. — January 2017 – May 2017
Teaching Assistant

- Analyzed and corrected assignments and code submitted by 94 students in Computer Organization. Held office hours to address students' questions and concerns.
- Course taught in ARM Assembly.

Vanderbilt Student Volunteers for Science — August 2015 – May 2017
Team Leader

- Presenting science concepts to local middle and elementary school students to pique interest in STEM fields.
- Leading a team of four peers by organizing class lesson structures and ensuring a smooth and effective learning experience.

Achievements

KICC National Champion — February 2017

- After winning the Vanderbilt University campus competition and the North Atlantic regional competition, placed 1st in the national round of KPMG's International Case Competition out of 42 universities nationally.
- Synthesized solutions to business problems, prepared slide decks, and gave 20-minute presentations all within three-hour timeframes.

Independent Projects

Concept Search – Created a search algorithm that contextualizes a given query to provide refined results. Used Python.
Titanic Classifier – Created logistic classifier to predict whether a passenger survived, given passenger characteristics, including gender and fare. Used MATLAB.
Handwriting Recognition – Wrote neural network classifier to read handwritten numbers. Used MATLAB.

Technical Skills

Proficient: Python | C++ | ARM Assembly | SQLite; Familiar: Java | MATLAB | UNIX | HTML | CSS | JS