John J. Kim

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Education

Vanderbilt University, Nashville, TN   **2015 – 2019**
- Dual Major: Mathematics and Computer Science
- Overall GPA: **3.62** / 4.00, Mathematics GPA: **3.77** / 4.00, Computer Science GPA: **3.75** / 4.00
- Minors: Financial Economics, Corporate Strategy

Work and Volunteer Experience

Accenture Innovation Garage   **August 2017 - Present**
Analyst
- Working with a team of four to determine the appropriate strategy and means of implementation for a digital platform in the retail space.

JMRK Consulting   **May 2017 – Present**
Co-Founder
- Co-founded and leading a student-run management consulting firm.
- Analyzed market entry strategies, competitor landscapes, and revenue models, and designed slide decks.
- Completed three engagements with an AI startup; currently performing an engagement with a second client.

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
- Corrected and graded 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 – Present**
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.
- Synthesized solutions to business problems, prepared a slide deck, and gave a 20-minute presentation within a three-hour timeframe.
- 42 Universities participated nationally.

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**