

John J. Kim

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Education

Vanderbilt University, Nashville, TN

2015 – 2019

- Dual Major: Mathematics and Computer Science, School of Engineering
- Overall GPA: 3.62 / 4.00, Mathematics GPA: 3.77 / 4.00, CS GPA: 3.75 / 4.00
- Minors: Financial Economics, Corporate Strategy

Online Coursework

Summer 2016

- Stanford University, Coursera: Machine Learning
- MIT, EdX: Introduction to Computer Science and Programming Using Python

Work and Volunteer Experience

JMRK Consulting

May 2017 – Present

Managing Partner, 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 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 4 peers by organizing class lesson structure to ensure learning experience proceeds smoothly and effectively.

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 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.

Achievements

KICC National Champion

February 2017

- After winning the Vanderbilt University campus competition and the North Atlantic regional competition, presented and placed 1st in the national round of KPMG's International Case Competition. 42 universities participated nationally.

Independent Projects

Concept Search – Created a search algorithm that contextualizes a given query to provide refined search 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: C++ | Python | ARM Assembly | SQLite; Familiar: Java | MATLAB | UNIX | HTML | CSS | JS