Jimin Kang

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EDUCATION

Amherst College, Amherst, MA — Expected May 2023
Bachelor of Arts in Mathematics and Computer Science
- GPA: 3.96/4.00
- Relevant coursework: Linear Algebra, Data Structures, Intermediate Statistics, Discrete Mathematics, Introduction to Computer Science II

Adventis, Remote — June 2020
Financial Modeling Certification, Level 1
- Completed intensive workshop on financial accounting and valuation modeling
- Passed Level 1 certification including building a 3-statement financial model and passing quiz

Milton Academy, Milton, MA — June 2019
- GPA: 3.80/4.00; ACT: 34
- Awards: Donald Cameron Duncan Prize for Mathematics (1 of 4 recipients from a class of 170)
- Leadership/extracurriculars: Varsity Baseball team (Captain), Programming Club, A Cappella

RELEVANT EXPERIENCE

Amherst College Investment Club, Amherst, MA — September 2020 – Present
Member
- Participate in weekly meetings; pitch ideas and hear pitches for positions in the $70,000 long-only equity portfolio that is part of the $3bn college endowment
- Enhance knowledge on how to make investment decisions through a fundamental and value-oriented approach and hone job-search skills relevant to the financial services industry

Amherst College Computer Science Club, Amherst, MA — September 2020 – Present
Member
- Attend meetings and enhance understanding of computer science applications in the technology industry
- Supplement skills not developed in classroom settings including web and app development

Amherst College Varsity Baseball, Amherst, MA — September 2019 – Present
Member
- Commit 25+ hours/week to practices, trainings, and games

Amherst College Route 9 A Cappella, Amherst, MA — September 2019 – June 2020
Member
- Participate in all male a cappella group; perform several concerts each semester on/off campus
- Perform non-concert events such as Singing Valentines

RELEVANT PROJECTS

Battle Star Bird
- Implemented object-oriented programming concepts such as inheritance, polymorphism, and generics to enhance game similar to Flappy Bird; added features such as varying difficulty levels, avoiding/shooting enemies with reload time, and file input/output to save all historical scores
- Included error handling to improve robustness to user input as well as file I/O for player records

Uncovering Baseball's Biases Through Statistics
- Analyzed conventional thoughts in baseball (do best hitters hit to opposite field, do best pitchers throw harder, does defensive shift saves runs, etc.); validated/invalidated logic through statistical analysis
- Collected hitting and pitching statistics from FanGraphs and BrooksBaseball; analyzed data using R
- Created 3 multiple linear regression models; 2 predicting hitter production, 1 predicting pitcher production

"Hot Hand" Behavior in Baseball
- Analyzed concept of "hot hand fallacy" to determine if the probability of a hit is independent of each at bat
- Built computer program to simulate expected hit streak behavior in a typical MLB season, assuming probability of hit stays constant
- Concluded hot hand behavior doesn't exist; simulation data closely mirrored observed MLB hit streak data

Skills and Interests

- Skills: Knowledgeable in Java & Excel, acquainted with R, Python
- Interests: Golfing, reading autobiographies, singing, dance