Jock Li

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EDUCATION

Cornell University, College of Engineering, Ithaca, NY   **Expected May 2025**
Bachelor of Science, Computer Science
Minor:
- Operations Research and Management Science

GPA: 3.40/4.00, McMullen Scholar
Relevant Courses: Engineering Applications of Operations Research, Introduction to Programming with Python, Object-Oriented Programming and Data Structures, Multivariable Calculus for Engineers, Discrete Structures, Linear Algebra for Engineers*, Basic Engineering Probability and Statistics*, and Data Structures and Functional Programming*
* In Progress

John C Birdlebough High School, Phoenix, NY   **Sept 2016-June 2021**
Awards/Activities: Class Salutatorian, Youth of the Year, National Honor Society, President's Volunteer Service Award, High Honor Roll, Perfect Attendance Award, Rensselaer Medal Award, Principal's Cabinet, Newspaper/JCB News Club, Spirit Club, and JV Basketball

ENGINEERING EXPERIENCE

Programming Projects
- **Space Invaders-** Developed a version of Space Invaders using introcs files from Professor Walker White
- **Pres Pollock and the Cavern Under Gates-** Developed a maze game that collects gold using shortest path algorithms to get the highest score possible under Professor Gries

MathWorks Math Modeling (M3) Challenge
- Worked with a group using applied mathematics/problem-solving skills to develop solutions to real-life issues using data and statistics from self-guided research

LEADERSHIP EXPERIENCE

Student Council, John C Birdlebough High School, *Treasurer*   **Sept. 2016-June 2021**
- In charge of maintaining the student council budget, fundraising events, and ensuring that all funds are used responsibly

Class of 2021, John C Birdlebough High School, *Treasurer*   **Sept. 2016-June 2021**
- Actively helped organize fundraisers and other events for class trips and prom as well as making deposits

VOLUNTEER EXPERIENCE

Bridge House Brats, Phoenix, NY, *Game Supervisor*   **2014-2020**
- In charge of looking after kids performing community service activities such as picking up trash and serving lunch over the summer

John C Birdlebough High School, Phoenix, NY, *Academic Tutor*   **2018-2020**
- Helped students after class understand fundamental math concepts in Algebra 2 and Precalculus

SPECIALIZED SKILLS

Object-Oriented Programming (Python, Basic Java) and Analytical Problem Solving

Programming Languages: Java and Python (proficient)

Mathematical and Analytical Reasoning: Linear Programming, Integer Programming, Assignment Problems, and Transportation Problems (familiar)

Languages: English (fluent); Fuzhounese (fluent); Mandarin Chinese (intermediate); Spanish (intermediate)