Kai Tong Gao

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EDUCATION

Cornell University - College of Arts and Sciences and College of Engineering | *Ithaca, NY*   **May 2025**

B.A. in Information Science and B.S in Civil Engineering | 5 Year *Dual Degree Program*
- GPA: 3.884

Relevant Coursework: Statics and Mechanics of Solids, Intro to Transportation Engineering, Structural Analysis, Engineering Computations, Intro to Python, Intro Statistics, Intro Data Science, Business Intelligence Systems, Materials for Energy Systems

EXPERIENCE

Youth and Industry Engagement Intern   **June 2022 – August 2022**
NYC Department of Buildings (DOB) | 35 hours/week   *New York, NY*
- Built over 15 Microsoft Forms and Microsoft Excel spreadsheets to track 80+ intern on-boarding processes, summer schedules, payroll invoices and event attendance

  Designed mockups of Department of Building flyers advertising agency's intern professional development workshops and created an intern recruitment brochure which will be used in the 2023 program year
- Worked with manager directly to implement new intern placements for the new fiscal year

Undergraduate Teaching Assistant   **August 2021 – May 2022**
Cornell University CIS | 10 hours/week   *Ithaca, NY*
- Supported students during biweekly lab sections to enhance their understanding of python
- Held weekly office hours, helped grade assignments, and assisted students with developing a comprehensive understanding of object-oriented programming, coding style, and debugging

PROJECTS

Cornell University for Animals Business Intelligence Project / *Wherescape, Tableau*   **November 2022**
- Analyzed and manipulated data collected from Business Intelligence course to decide feasibility of an urgent care service aimed at less emergent patients with the goal of reducing ER wait times
- Built a data model aimed at categorizing which 24/7 emergency care appointments qualify as "urgent care" using Wherescape and created data visualizations using Tableau

Literature Analysis / *Python, Juypter Notebooks*   **March 2022**
- Analyzed patterns in language usage in over 180 novels written in the past 300 years to demonstrate how history and geographic location impact the written language
- Preformed tokenization, cleaned data, and fit regression models using NLP, Pandas and Scikit-learn

Coscien Website Redesign / *HTML, CSS, Javascript*   **December 2021**
- Developed a client-facing website with a team of 4 using Git and agile software practices
- Implemented 5+ interactivity features, such as a hamburger menu for mobile users, a carousel displaying course offerings, informational syllabus tabs and used media queries to create a responsive design

Ithaca Apple Harvest Festival Website Redesign / *HTML, CSS, Javascript*   **October 2021**
- Transformed Ithaca Apple Harvest Festival web pages from a single page layout to a multi-page website
- Applied a user-centered design process to identify and meet user goals. Ensured the project followed common design principles and complied with W3C accessibility standards

SKILLS

Computing Languages: Python, Java, HTML/CSS, Basic JavaScript, SQL, R
Developer Tools: VS Code, Eclipse, Atom, Git
Software: GitHub, JUnit5, Jupyter Notebooks, Tableau, Microsoft Office 365 (Excel, Word, Sharepoint, Forms, Teams), Canva, Adobe InDesign, Adobe Illustrator, Adobe Photoshop