Christopher Junewon Kim

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EDUCATION

Cornell University | College of Arts & Sciences | Ithaca, NY   **Expected Grad. May 2024**
Bachelor of Arts in Computer Science   GPA: 4.141   Dean's List: Fall 2020, Spring 2021

Past Relevant Courses: Object Oriented Programming and Data Structures (CS 2110)**;** Intro to Computing with Python (CS 1110)**;** Calculus II (MATH 1120)
Current Courses: Data Structures and Functional Programming (CS 3110)**;** Discrete Structures (CS 2800)**;** Organic Chemistry I (CHEM 3570)**;** Greek and Roman Philosophy (PHIL 2200)**;** History of Ancient Greece (CLASS 2675)

PROJECTS

Personal Website, chrisjkim27.github.io, React/CSS, *Independent Project*   **Aug. 2021-Present**
- Self-learned React, CSS to create and design personal website to show past projects, resume, photography.
- Self-learned basics of Git and hosting on GitHub Pages; Continuously improving and adding to site.

McDiver in a Sewer System, Java, *Object Oriented Programming and Data Structures*   **May 2021**
- Implemented code to find a ring in a map (graph) in min steps and return in limited steps but collect max coins.
- Utilized Dijkstra's Shortest Path Algorithm, DFS walk, Heaps, ArrayList, LinkedList.

Froggit, Python, *Intro to Computing with Python*   **Dec. 2020**
- Developed *Crossy Road* -like game using OOP principles – implemented classes, subclasses to animate a frog and obstacles, to detect collisions and death. Designed code to handle game state changes.
- Gained experience with encapsulation, coroutines, model-view-controller pattern.
- Was one of 13 out of ~680 students to achieve score of 100/100; Total project was >1,500 lines (including specs).

Enigma, OCaml**,** *Data Structures and Functional Programming*   **Sep. 2021**
- Implemented functions to model Enigma machine inner workings (i.e., rotor stepping); Created OUnit test suite.
- Built fully functioning software replica of Enigma with functional programming; Achieved score of 100/100.

Alien Invaders, Breakout, Python   **Jan. 2021**
- Built previous *Intro to Computing with Python* final projects (games) for further practice.

EXPERIENCE

Intro Computing w Python (CS 1110) Course Staff, Cornell University, *Undergrad Consultant*   **Aug. 2021-Present**
- Assist students to learn to code in Python in a course with ~800 students.
- Explain computer science concepts to students during consulting hours and discussion section.
- Grade student work, communicating with other course staff to ensure consistent standards and fairness.

Cornell Daily Sun Web Team, Cornell University, *Web Developer*   **Mar. 2021-Present**
- Collaborate with web developers and editors to further development skills and produce quality projects.
- Currently working with Sun editors to develop a page for a story on COVID-19 testing at Cornell.

ADDITIONAL EXPERIENCE

Cornell AAP Photography Lab, Ithaca, NY, *Photo Lab Monitor*   **Sep. 2020-May 2021**
- Mixed chemicals for students to develop prints and film, checked out keys and equipment, assisted as needed.
- Communicated and collaborated with other monitors to ensure completion of tasks for general lab maintenance.
- Explored film photography while I had the chance; Shot and developed my own film and prints.

TECHNICAL SKILLS

Python, Java, OCaml, React, HTML, CSS, VSCode, Microsoft Word, PowerPoint, Excel

OTHER INTERESTS: Carnivorous Plants, Piano