

Jonah Liu

630-850-0233 | jonah1068@gmail.com | [linkedin.com/in/jonah1068](https://www.linkedin.com/in/jonah1068) | github.com/jonah1068

EDUCATION

University of Wisconsin-Madison

Bachelor of Science in Computer Science, Mathematics, and Economics
Honors: Dean's List (GPA: 3.957)

Madison, WI

Sept. 2020 – present

Neuqua Valley High School

High School Diploma
Honors: summa cum laude, recipient of Senior Academics and Activities Award

Naperville, IL

Aug. 2016 – May 2020

EXPERIENCE

Teacher and Teaching Assistant

The Study Huddle

May 2019 – Present

Naperville, IL

- Taught AP Computer Science (Java), Mathematics (Middle and High School), and SAT Test Preparation
- Assisted in teaching of HTML/CSS and Python classes
- Prepared lesson plans, presentations, and homework for students

Data Science Intern

Glass Lake Capital, LLC

Jun. 2020 – Sept. 2020

Chicago, IL

- Eliminated need for manual searching
- Implemented a web scraping program using Python (BeautifulSoup and Selenium) given specified parameters
- Conducted research on various small- and medium-sized enterprises
- Attended weekly virtual meetings

Director of Technology

Our Safety USA

Aug. 2019 – Sept. 2020

Naperville, IL

- Updated and maintained oursafetyusa.org (HTML/CSS/JS)
- Organized community town hall events with policy makers regarding topics such as mental health and gun violence

PROJECTS

Simple Assembly Interpreter | *Java, Eclipse, C#, Visual Studio*

June 2018 – May 2019

- Constructed an algorithm to interpret ACSL assembly code using Eclipse in Java
- Developed a Windows Form GUI allowing users to write/execute assembly code in C#
- Utilized various data structures to efficiently and accurately execute programs
- Applied Object Oriented Programming paradigms to efficiently manage instructions

Chinese Reversi | *C#, Visual Studio*

July 2020 – July 2020

- Developed a variation of the game Reversi as a puzzle
- Created a Windows Form with an interface to play the game locally
- Used Visual Studio to manage GUI and event handlers

Simple-As-Possible 8-bit Computer

July 2018 – Present

- Created a Turing-Complete 8-bit computer using breadboards and simple IC chips
- Exercised construction of simple to complex logic gates and circuits
- Designed rudimentary registers, memory, and arithmetic/logic units

TECHNICAL SKILLS

Languages: Java, Visual Basic, C#, Mathematica, Python, HTML/CSS, JavaScript

Developer Tools: Eclipse, Visual Studio, Google Cloud Platform, Spyder, VS Code, IntelliJ

Libraries: Beautiful Soup, NumPy, Matplotlib