

# Kenneth Wu

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Hardworking and flexible college student looking for a paid internship over the summer that utilizes software or data analytics skills.

## Education:

University of Connecticut  
Computer Science Major, Math Minor  
(Expected Graduation May 2024)  
GPA 3.797/4

## Relevant Coursework:

CSE 3666 Computer Architecture  
CSE 3500 Algorithms and Design  
CSE 3100 Systems programming in C  
Differential Equations  
Probability 3160  
Stat 3025Q

Introduction to Machine Learning  
Numerical Methods

## Awards & Scholarships:

Dean's List Engineering  
Academic Merit Scholarship- 6500 dollars a year  
7000 dollar grant for research

## Projects:

NASA Space Project, Mansfield, CT 2021 October-December

- Project to design a better locomotion system for lunar rovers
- Helped design Quad Chart

Chess Engine

- Applied Object Oriented Programming, minimax and Alpha-beta pruning

Love Matching Game

- A game where there an algorithm has to determine which pairs are matching
- Used pygame for visual display, and designed an algorithm to solve the problem efficiently.

Modeling the movement of people

- Used social factors to accurately model the movement of people around a model in a subway

## Research Experience:

Modeling the release rate of long acting injectables CT 2023 August-Present

- Received a 7000 dollar grant, to apply pytorch, and simulation and optimization techniques to predict the rate of release for a drug based on factors
- Used a three part linear model to work around the small dataset size

Brain imaging project CT 2023 August-Present

- Project with a PHD student to model the brain
- On the preprocessing step

## Professional Experience:

Internship, NDT4.0, Manchester/Online, CT 2022 Jan-June

- Coding a checksum tool which utilized automated emails and SQL

Engineering Assistant, NDT4.0, Manchester/Online, CT 2022 June-Present

- Teamwork and working with senior engineers
- REACH (environmental compliance) and file management
- Use of Excel, coding a python script to manage files
- Coding small tools to streamline work
- Learned how to create tools using Kivy

## Additional Skills:

Computer: proficient in Python, pytorch, algorithms, and data structures basic proficiency in Java, Shell, C, and SQL

Language: Fluent oral Chinese