

Terence Zeng

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Education

University of Illinois, Urbana-Champaign

Expected Graduation Date: May 2025

Bachelor of Science in Computer Engineering

- **GPA:** 4.0 (Dean's List, James Scholar)
- **Relevant Coursework:** Introduction to Computing, Discrete Structures, Quantum Physics, Linear Algebra with Computational Applications, Computer Systems & Programming, Microeconomics

Experience

Software/Trading Intern

July 2023

Guotai Junan Investments

- Built program to parse emails containing trade offers and transfer data to spreadsheets using Excel API, Pandas, and BeautifulSoup, saving 90 minutes of work every week

Course Assistant, ECE 120 (Introduction to Computing)

January 2023 - Present

Grainger College of Engineering, University of Illinois Urbana-Champaign

- Grade students' assignments and provide feedback on clarity and accuracy of solutions
- Work with TAs and professor as a team to assist students in developing computing skills

Research Intern

June 2021 - March 2022

Bandodkar Research Group, ECE Department, NC State University

- Assisted in developing wearable biosensors for disease and medical monitoring
- Collaborated with graduate students to initiate project, analyze results, and troubleshoot issues
- Utilized Fusion360 and AutoCAD for prototyping and math modeling for analyzing

Projects

Website Portfolio - <https://terencezeng6.github.io/>

- Utilized HTML and CSS to create website that showcases projects and past experiences
- Includes responsive image gallery that adapts to varying screen resolutions

Binary Black Hole Inspiral - <https://github.com/terencezeng6/binary-black-holes>

- Simulated path of two black holes exerting forces on each other with data from LIGO
- Used NumPy and Matplotlib to plot graphs of energy and radii, determining Schwarzschild radius

Skills

- Languages: Python, Java, JavaScript, C++, HTML, CSS
- Tools: Git, Google Cloud, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Quartus
- Libraries: NumPy, Matplotlib, TensorFlow, OpenCV, Pandas, BeautifulSoup
- CAD: AutoCAD (certified), Revit (certified), Fusion 360, Solidworks, 3DS Max, Inventor

Activities/clubs

- Earthquake Engineering Research Institute - AutoCAD specialist, committee member
- Open-Source @ Illinois - Engineering Open House Project - hardware subteam
- UIUC Competitive Math
- Institute of Electrical and Electronics Engineers