Terence Zeng

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Portfolio: https://terencezeng6.github.io/
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Education

University of Illinois, Urbana-Champaign *Expected Graduation Date: May 2025*
Bachelor of Science in Computer Engineering, minor in Mathematics

- **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

Intern *July 2023*
Guotai Junan Investments

- Automate analytical process of incoming trade data to assist trading decisions by integrating Python with tools such as Python, Openpyxl, Pandas, and BeautifulSoup, saving 90 minutes of labor 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

- Developed computer models for wearable biosensors which monitor for diseases and medical conditions, using tools such as Fusion360, AutoCAD, and mathematical modeling
- Collaborated with graduate students to initiate project ideas, analyze results, and troubleshoot issues

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 sizes - terencezeng6.github.io/gallery

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

- Simulated path of binary black hole system exerting internal forces with data from LIGO
- Used NumPy and Matplotlib to plot energy and radii over time, calculating Schwarzcshild 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, OpenPyXL
- 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