Neil Bisht

Irvine, CA • neilbst1@gmail.com • https://welcomeneil.github.io. • https://www.linkedin.com/in/neil-bisht

EDUCATION

UC Irvine – Irvine, CA   Sep. 2022 - June 2024
Bachelor of Science in Computer Science, GPA: 3.9

UC Santa Cruz – Santa Cruz, CA   Sep. 2020 - June 2022
Bachelor of Science in Computer Science, GPA: 3.9
- **Awards**: Dean's Honors List (5 quarters)
- **Activities and Organizations**: Tech4Good, College Scholars Program, ACM, Tau Kappa Epsilon

Relevant coursework: CodePath Intermediate Software Engineering, Data Structures and Algorithms, Computer Systems and C Programming, Programming Abstractions in Python, Database Management, Probability/Statistics for Engineers

EXPERIENCE AND LEADERSHIP

JP Morgan Chase & Co - Data For Good Extern | Plano, TX   Apr. 2022 - Apr. 2022
- Selected as one of 120 students from over 800 applicants to partake in a hackathon aimed at aiding agricultural foreign investment; built models to maximize investment while minimizing global climate impact
- Produced data visualizations to locate and analyze trends with Python's Pandas and Matplotlib libraries
- Developed and presented a Canva presentation of my team's methodology, analyses, predictions, and results for a board of senior data engineers

Tech4Good Laboratory - Web Developer (UI Components team) | Santa Cruz, CA   Sep. 2021 - Mar. 2022
- Worked in a 4-member team to build responsive web pages for research in social computing
- Collaborated with designers through Figma to design and update existing web pages, increasing user experience by 11%; analytics were derived from user surveys
- Implemented responsive design and the CSS flexbox paradigm to revamp previously fixed-width components

Tau Kappa Epsilon Fraternity - Academic Committee Chairman | Santa Cruz, CA   Sep. 2021 - Mar. 2022
- Hosted 2 weekly group study sessions by major to facilitate peer-to-peer growth aiding in a 3.5 average fraternal GPA
- Built script to automate the booking of library study rooms allowing for guaranteed learning spaces every week
- Connected each individual member with a TKE alumni mentor for career and personal guidance. Queried satisfaction through periodic surveys to ensure members gained the most out of their mentor relationship

PROJECTS

RSA Key Generator, Encryptor, and Decryptor - C
- Built a public/private key generator and RSA encryptor/decryptor with the math behind asymmetric encryption
- Capable of encrypting and decrypting files of arbitrary size
- Utilized GNU's Multiple Precision Arithmetic library to handle arbitrarily large numbers that C's standard library can't

Comparison of Sorting Algorithms - C
- Implemented and compared four sorting algorithms: Insertion Sort, Shell Sort, Heap Sort, and Quick Sort
- Sorts a random number array of an inputted size with a specified sorting algorithm of the user's choosing (or all)
- Produces statistics on the number of moves and comparisons to compare the effectiveness of each algorithm given different contexts

Shipment Report Retriever - Python
- Developed script to pull csv file shipment reports from EasyPost's API on a weekly basis for mother's work
- Script cleans shipment data by curating a new table with values from attributes that are required for analysis; expedites an average workday for mother by 1 hour
- **Tools**: Pandas, EasyPost API

SKILLS
- **Languages**: Python, C/C++, JavaScript, PostgreSQL, HTML, CSS, MIPS Assembly
- **Technologies**: Unix, Git, Figma