Jacob Atanacio

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EDUCATION

Napa Valley College (NVC)   Expected Graduation: May 2024
AS-T Computer Science   *GPA: 3.5*
Coursework: Programming Concepts, Assembly Programming, Discrete Structures, Economics, Physics for Engineers

American Canyon High School   GPA: 4.0
Coursework: AP Computer Science, AP Chemistry

FreeCodeCamp   Certificate in progress
Programming Certification Course
Coursework: JavaScript Algorithms and Data Structures, Responsive Web Design, Front End Dev Libraries

SKILLS

Languages:	C++, CSS, Java, JavaScript, HTML, Python
Software & Tools:	Anaconda, GitHub, Deepnote, Matplotlib, Notion, Numpy, Regex, VS Code
Technical Skills:	AI research, cryptography, object-oriented programming
Interpersonal Skills:	Mentor, team leader, coach, public speaking, active listener

PROJECTS

Computer Science Research Internship: Neural Networks | *Numpy, Matplotlib*   September 2023 - Present
- Studied neural networks using the MNIST dataset
- Adjusted amount of hidden layers in an attempt to optimize runtime and memory

Afghan Summer of Code Internship | *HTML/CSS*   May 2023 - August 2023
- Mentored 30-50 Afghan refugee students in computer science for a hackathon in August of 2023.
- Covered basic computer fundamentals including CPUs, memory, operating systems, servers, and cloud technology.
- Developed student skills in web development using HTML and CSS to publish a website.

Computer Science Research Internship: Cryptography | *Python, Tkinter*   November 2022 - April 2023
- Researched elliptic curve cryptography then programmed a working encryption algorithm, allowing a user to encrypt and decrypt an input message.
- Learned the Tkinter module from Python to create a GUI for the user-facing aspect of the project.
- Presented our findings with a working demo to 30 professors, counselors, and peers at the biannual NVC STEMposium.

WORK EXPERIENCE

Enkrypt AI: Software Engineer Intern | *Python*   August 2023 - November 2023
- Led a meeting presenting to 4 Enkrypt employees including the CEO on Elliptic Curve Cryptography demonstrating its benefits to data privacy.
- Researched and Contributed to building an ML model scanner to scan machine learning files for malicious code, and Personal Identifiable Information(PII).
- Designed company flyers, business cards, and stickers for the Berkeley SkyDeck Demo Day with over 600 attendees.

Computer Science Tutor | *C++*   September 2023 - Present
- Instructed fundamental C++ concepts—variables, data types, control structures, functions, and object-oriented programming.
- Designed individualized plans aligned with students' skill levels and learning goals, ensuring targeted and effective instruction.
- Conducted detailed code reviews, offering constructive feedback to improve coding style and adherence to standards.