

Kassandra Cardenas

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EDUCATION

University of Washington | Paul G. Allen School Of Computer Science & Engineering
Bachelor Of Science in Computer Science | Minor in Neural Computation and Engineering

Exp: June 2026

Relevant Coursework: Introductory Computer Science Series (Java), Hardware Software/Interface(C/C++ & JavaScript), Introduction to Neuroscience, Calculus Series, Software Design and Implementation(TypeScript), System Programming(C/C++)

Awards: Dean's List, Advancing Inclusion Scholarship, Reboot Scholar, Burkhardt Family Endowed Scholarship, Molly Davis Scholarship, Allen School Scholar, Kamala Harris Scholarship, CAMP Scholar, Grace Hopper Conference Scholar

EXPERIENCE

Amazon

June 2024

Incoming Amazon Career Quest (ACQ) Externship Facilitator

Seattle, WA

A Vision for Engineering Literacy & Access - AVELA

Mar. 2024 - Present

Python Instructor

Seattle, WA

- Instructing a class of 30 students on how to visualize 4 geometric patterns using the Matplotlib.pyplot library
- Taught the fundamentals of Python coding using Google Colab, GitHub, and trinket.io
- Receiving training in Python from Ph.D. candidates in Computer Science and Mechanical Engineering

Student Technology Loan Program - STLP

Nov. 2023 - Present

Software IT Specialist

Seattle, WA

- Working with software such as Trello, Jamf, MacOS, Windows, and Linux to keep equipment up-to-date
- Maintained and calibrated more than 1,000+ laptops, 200+ iPads, 50+ cameras, 35+ Hotspots, and 20+ projectors
- Consulted with 1,000+ clientele through UW Connect to resolve technical issues and help troubleshoot

INVOLVEMENT & LEADERSHIP

Synap Tech

Nov. 2023 - Present

Member

Seattle, WA

- Training a machine-learning model using software: TensorFlow & Adobe; using EEG data to determine music preferences.
- Coded in Python & Java to filter 300+ neuro pixels in mice during behavioral training to understand the neural connection

Washington Public Interest Research Group - WashPIRG

Nov. 2023 - Present

Fundraising Coordinator Intern

Seattle, WA

- Executed fundraising proposals successfully helping over 50 families while creating over 10 coalition partners
- Strategized a plan with a team of five to collect 8,000 signatures to maintain our current top-three national ranking

Washington Student Engagement Networks - WA-SEN

Sept. 2023 - Present

University of Washington Campus Liaison

Seattle, WA

- Reviewed bills for Washington state, collaborated with over 30 organizations & 5,000+ students to petition bill passing
- Organized legislative conferences and provided legislators with a deeper understanding of Maslow's Hierarchy of needs

PROJECTS

J.P. Morgan | Stock Price Data Feed

July 2024

- Built an interface with a stock price data feed and visually displayed data to assist traders at JPMorgan Chase
- Set up a dev environment by installing Python, forking and cloning the starter repo, and installing project dependencies

CSeed | Pulse Pro

Jan. 2024 - Present

- Creating a heart rate monitor using photoplethysmography sensors and electrocardiogram testing strategies
- Making heart rate monitors more accessible, using Arduino, and Raspberry Pi while being mentored by PhD candidates

Revere XR Hackathon | ARchive

Jan. 2024

- Developed an augmented reality prototype to preserve and showcase the forgotten history of Seattle, WA's Central District
- Utilized design tools: Figma, Bezi, and Blockaid Labs, to create an immersive AR/VR experience: [ARchive](#)

AI/NEURO | Reduction in Neuro Network Data Set Size

Aug. 2023 - Sept. 2023

- Worked with Pytorch & used tensors to manipulate electroencephalogram (EEG) data in neural networks
- Coded neuro-pixels & used principal component analysis to improve neural network data transfers by reducing large data sets

SKILLS & INTERESTS

Skills: Java, C, C++, JavaScript, HTML, CSS, Python, Assembly, PHP, React, R, SQL, ML/AI, Graphic Design, Spanish (Fluent)

Interests: Nihilistic Novels, Art, Transgressive Fiction, Neuroscience Research, Food, Disk Golf Pro, Music, Investing, and Oshibana