

Griffen D. Agnello
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Dynamic and resourceful graduate student in Computer Science, possessing a robust background in machine learning, artificial intelligence, and software development. Exhibits proficiency in the implementation of machine learning models, with an emphasis on object detection. Well-versed in a variety of programming languages and proficient in diverse web technologies. Adept at software development, data analysis, algorithm creation, and problem solving. Demonstrates an exceptional ability to swiftly adjust to critical and evolving business landscapes. Visionary thinker committed to excellence and meaningful contributions.

Education

Master of Science – Computer Science (CS)

Washington State University – Vancouver, WA | August 2023 – May 2025

- Research Focus: Machine Learning and Big Data. Currently researching the viability of using AI generated images to train neural networks for self-driving cars.
- Technical Coursework: Advanced Databases, Cloud Systems, Advanced Machine Learning, Cloud Data Management, and Computer Vision.

Bachelor of Science – Computer Science (CS)

Washington State University – Vancouver, WA | August 2021 – May 2023

- Academic Honors: Magna Cum Laude / President's Honor Roll
- Project Team Lead for an automated speech recognition project for Seasalt.AI. Conducted research to create English and Spanish speech-to-text machine learning models.
- Kaggle Competition – Natural Disaster Classification. Created a classification model that predicts natural disasters. Used natural language processing and a random forest classifier in Python.
- Technical Coursework: Machine Learning, Artificial Intelligence (AI), Software Engineering, Network Security, Functional Programming, Operating Systems, Databases, Graphics, and Game Design.

Associate of Science – Computer Science

Clark College – Vancouver WA | September 2019 – August 2022

- Academic Honors: Clark College Honor Roll / Vice President's List Recognition
- Member of the Phi Theta Kappa Honor Society
- Technical Coursework: Java, Data Structures, Object-Oriented Programming, C, Linux, and Scripting

Technical Skills

Programming Languages:

Python, SQL, Java, HTML5, JavaScript, CSS, C/C++, LaTeX, and Scala

Web Development:

Node.js, Express.js, Bootstrap 5, WebGL, MongoDB

Machine Learning:

PyTorch, TensorFlow, YOLO v5, Scikit-learn, Stable Diffusion

Cloud Platforms:

Amazon Web Services (AWS) – (EC2, S3, CloudFront), Git

Operating Systems:

Linux, Windows, macOS

Project Management:

Team Leadership, Project Coordination, Agile Methodology

Work Experience

Lumen Learning – Portland, OR

Web Course Developer – August 2022 – Present

Lumen Learning is an education tech company that provides high quality, college level materials.

- Collaborate closely with product managers to design and develop innovative educational content.
- Created a prototype chat bot for Lumen textbooks using Open AI's embedding engine and GPT API.
- Analyzed API cost effectiveness and provided actionable recommendations.
- Utilize HTML, CSS, PHP, and LaTeX expertise to develop academic learning materials within Lumen's Online Homework Manager (OHM), enhancing the overall user experience.

Washington State University – Vancouver, WA

Teaching Assistant (Computer Science) – January 2022 – May 2022

- Provided dedicated support as a teaching assistant for electrical engineering college students.
- Provided tutoring sessions focused on C programming fundamentals, ensuring a strong foundation in coding principles.
- Delivered clear and concise explanations of complex programming concepts, tailoring explanations to suit individual learning styles.
- Offered guidance and constructive feedback on students C programming code, facilitating improvement and understanding.
- Fostered a collaborative learning environment by encouraging student participation and engagement.
- Course work included: arrays, pointers, recursion, and data structures.

Safeway – Washougal, WA

Produce Clerk – July 2019 – August 2022

- Managed daily inventory audits to maintain accurate records.
- Calculated freight orders to replenish produce stock.
- Stayed current on available products and store promotions, to better assist customers.
- Trained new department employees.