Andrew Van Ostrand

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Education

Lehigh University   Expected May 2027
Bachelor of Science in Computer Science & Business (GPA: 3.52 / 4.00)   *Bethlehem, PA*
- **Relevant Coursework:** Intro to Programming (Java), Data Structures and Algorithms (Java), Systems Software (C), Foundations of Discrete Structures and Algorithms, Statistical Methods

Projects

andrewvo.dev | *React.js, Node.js, Tailwind CSS, Vercel, JavaScrpt, Git*   Jul 2024 - Current
- Developed a responsive portfolio website using React.js and Tailwind CSS, ensuring an optimized user experience across devices.
- Customized UI components with Tailwind CSS for modern, consistent styling, improving design efficiency and code maintainability.
- Deployed the website on Vercel, enabling continuous integration and smooth updates through Git version control.

Lehigh Hacks for Health - LCRS | *Google Cloud Vertex AI, GCP AutoML, Google Cloud Compute, Python*   Mar 2024
- Spearheaded the development of a predictive model leveraging Google Cloud's Vertex AI and AutoML for tabular data analysis, designed to assess lung cancer risk from user-provided medical histories and relevant factors.
- Engineered a cost-effective lung cancer pre-screening tool to enhance accessibility for individuals in lower-income communities, addressing financial barriers to early diagnostic procedures.
- Demonstrated the potential of the model to significantly improve early detection rates of lung cancer through a user-friendly interface, contributing to preventive healthcare measures.
- Awarded as the Best First-Year Solution

Leh-Laf Hackathon - ASL for the Community | *AWS, S3, Polly, SageMaker, Python*   Nov 2023
- Developed an image recognition model using Amazon SageMaker to translate ASL signs into text and speech, enhancing communication for the deaf community.
- Overcame challenges in model training due to time constraints, focusing on key ASL signs (A, B, C) for initial implementation.
- Awarded for Best AWS Integration: Recognized for exceptional use and integration of Amazon Web Services in the project.

Experience

Mind Crafters Robotics   May 2022 – Current
System Administrator   *Los Angeles, CA*
- Manage and maintain the company's network infrastructure, ensuring optimal performance, security, and reliability.
- Administer device management systems, configuring and troubleshooting hardware and software.
- Set up, monitor, and support VoIP systems, ensuring seamless communication for the business.
- Implement and enforce IT policies and procedures to enhance operational efficiency and data security.
- Provide technical support and troubleshooting assistance to staff, improving user productivity and minimizing downtime.

Mind Crafters Robotics   Oct 2020 – Aug 2023
Computer Science Teacher   *Los Angeles, CA*
- Facilitated daily robotics and computer science classes for elementary and high school students.
- Mentored Python, Java, and C++ using different platforms to connect with students.

Technical Skills

Languages: Java, C, Python, JS
Technologies: GCP, Google Cloud AutoML, Google Cloud Compute, AWS Sagemaker, Amazon Polly, Amazon S3, Docker
Concepts: Compiler, Operating System, Artificial Intelligence, Machine Learning, API, Cloud Computing, Problem Solving, Analytical Thinking, Communication, Adaptability