

Anthony Yang

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Education

University of California, Davis

B.S. Computer Science

Graduation: June 2020

GPA: 3.6

University of Illinois Urbana Champaign

M.S Computer Science

Graduation: Dec 2025

Work Experience

Intel Corporation (Dec 2021 - Present)

Devops and Infrastructure Software Engineer

- Engineered and maintained High Performance Computing Infrastructure (> 2000 nodes) and data automation to facilitate large workload and dataset processing (~5PB of data per year) in semiconductor manufacturing, ensuring 24X7X365 high availability for over 100 automation applications.
- Excelled as a role model in a small but agile cross-site team, setting the standard for excellence in Datacenter Virtualization, deploying Infrastructure as a Service, API/Microservice design, implementation, and life cycle management using C, C++, Python and Powershell
- Oversee a 5 million dollar annual budget to accelerate both hardware and software infrastructure
- Demonstrated expertise in large-scale enterprise architecture, including implementation of distributed server clusters, SQL and nonSQL databases, storage systems, networking load balancers, and common protocols such as TCP/IP, HTTPs, SMB, SAN, Kerberos, and Ldap.
- Advocated modern practices such as Agile, CI/CD, Jira, Standups to maximize productivity, foster communication, and ensure seamless integration with existing systems using automation.
- Collaborated with cross-functional teams in integrating cutting-edge technologies such as Vcenter, Elasticsearch, Prometheus, Kafka, Kubernetes, and Docker to modernize the current tech stack and support a multi-customer business model (Intel Foundry).

Wu-Nan Technology Inc. (July 2020 – Nov 2020)

Software Engineer

- Contributed to Full Stack development for BSafes.com,
- Integrated AWS DynamoDB, Redis, Elasticsearch to enhance indexing/query efficiency by 70%.
- Developed a "Share" feature, enabling users to easily share documents using a generated URL.
- Enhanced the Document Revision Control Feature to enable users to view and track the history of document edits, increasing collaboration and accountability.
- Implemented industry-level encryption methods such as SHA256 to upgrade end-to-end security, ensuring the privacy and integrity of user data.
- Optimized user experience and improved reliability, resulting in increased user engagement and satisfaction.

Tech Stack

- Operating Systems: RedHat Linux, Ubuntu, MacOS, Windows Server 2022
- Frontend Development: React.js, Bootstrap, HTML5, CSS, D3.js
- Backend Development: Node.js, Python, Java, C/C++
- Infrastructure: AWS, Apache, VMware, Kubernetes, Docker, Kafka, ELK, Dell Powermax, Netapp StorageGrid, Prometheus, SQL, NoSQL DB
- Automation: Ansible, Bash, Bigfix, Batchpatch, Powershell, Ghost Solution, Gradle