

ADAM SIWIEC

asiwiec@stanford.edu – 479-644-2578 – 8320 Old White River Rd. Rogers, AR – siwiec.us

EDUCATION

Stanford University

Candidate for BS Computer Science

Sep 2019 – Jun 2023

Stanford, CA

- Coursework in parallel computing, operating systems, cryptography, graphics, networking, blockchain, and data structures / algorithms
- Volunteer Tutor at Buena Vista Mobile Home Park
- Volunteer Software Engineer for Code the Change, working with security for Manna cryptocurrency

Rogers Heritage High School

Aug 2015 – May 2019

Rogers, AR

- Valedictorian in class of 400
- National Merit Finalist, National AP Scholar
- All-State Programming Champion, TSA (Technology Student Association)
- 2nd Place at University of Arkansas Hackathon in Collegiate Division

WORK EXPERIENCE

NVIDIA Corporation

Cloud Computing Software Engineer Intern

Jan 2021 – Sept 2021, Jun 2022 - Sept 2022

- Architected and developed the first monetized edge computing platform at Nvidia
- Interfaced with distributed Kubernetes clusters to gather resource usage and provide cluster state via API
- Integrated with Salesforce entitlement system to enable subscriptions services in NGC (Nvidia GPU Cloud)
- Created a service healthcheck dashboard and implemented security patches across a suite of backend services
- Brought legacy services up to date with a modular suite of common libraries designed to be used in every service

J.B. Hunt Transport Services

Software Engineer Intern

Jun 2019 – Dec 2020

Rogers, AR

- Designed and programmed an integrated voice assistant for truck drivers using the company's mobile application, natural language processing, and contextual awareness. Our feature was able to interpret and act on 90% of users' actions or questions
- Designed and coded a customer order index in Elasticsearch to effectively decrease search times for orders
- Developed state management using React sagas to add new pages, actions, and analytics for users
- Programmed a live updating polling app for voters to use at an internal company hackathon. Cut existing codebase and application size in half by using serverless architecture paired with Google Cloud

ORM Digital

Software Engineer Intern

Jun 2017 – Aug 2017

Jelenia Gora, Poland

- Created a live dashboard for viewing the build status of all company projects bringing 250 manual checks to 1 screen
- Developed extensive REST APIs using AWS Lambda to integrate with continuous integration monitoring services of over 250 project builds
- Extensively used Terraform, Docker, and GraphQL for resource and API management

TOOLS, FRAMEWORKS & SKILLS

- Programming Languages: C / C++, Java, Python, JavaScript / NodeJS, HTML / CSS, Go, Assembly
- Technologies: Advanced UNIX, Jenkins / Gitlab CI, Git, React / React Native, Docker / Kubernetes, MySQL, Cassandra, Redis, Unit Testing, AWS Stack, WebSockets / RTC

PROJECTS

LevelSet - Lead Cloud Engineer

- Developed API management system, audio stream handlers, and UI for a platform to detect microaggressions in the workplace with over 95% accuracy • Built a server integration to stream WebSockets audio into a storage solution • At Stanford Treehacks Hackathon 2020, LevelSet won best decision making under uncertainty from Citadel Securities

JerryCoin - Blockchain Development

- Designed and Implemented a secure web-based cryptocurrency that can be accessed from any device as a final project for a computer science course • Utilized WebSockets to create decentralized nodes that communicated transactions asynchronously, bringing the time of transaction processing down by 96% compared to other cryptocurrencies • Implemented 8 load-balanced server nodes that kept historical blockchain records to propagate history to new nodes using Redis