Chris Nunes Email: chrisnunes57@gmail.com

www.chrisnun.es

EDUCATION

University of Texas at Austin

Austin, TX

Bachelor of Science in Computer Science

Aug. 2017 - May 2021

Coursework: Data Structures, Computer Architecture, Software Engineering, Operating Systems, Network Security

KTH Royal Institute of Technology

Stockholm, Sweden

Study Abroad

Jan. 2020 - May 2020

Coursework: IT Design for Disability, Search Engines and IR Systems, Haptics, Tactile and Tangible Interactions

EXPERIENCE

Microsoft Redmond, WA

Software Engineer

Aug. 2021 - Present

- Performed operational duties and implemented bug fixes to maintain a CodeSigning service that handled over 10 billion signing requests annually.
- Used Change Feed feature of Azure's Cosmos DB to provide a persistent record of activity in a team service and keep multiple regional databases in sync with one another.
- \circ Migrated existing telemetry to use OpenTelemetry API, and improved the storage size and readability of logs.
- Documented new hire onboarding process to alleviate permissions issues and undocumented processes.

Microsoft Remote

Software Engineering Intern

May 2020 - Aug. 2020

- Learned fundamental concepts about digital signatures, asymmetric encryption, digital certificates, and public key infrastructures.
- Built a command-line application to extract signature metadata from digitally signed files.

State Street Austin, TX

Cloud Security Intern

Jun. 20219 - Aug. 2019

- \circ Used Burp Suite to discover multiple vulnerabilities in existing services and built programs to exploit them.
- Created an automated security testing suite that scanned for vulnerabilities in open ports and source code using ReactJS and Flask.
- Built a tool that would monitor network traffic and report unencrypted data using Python and Scapy.

Projects

• NYT Crossword Search Engine

- Created Python script to scrape and aggregate NYT crossword data, implementing multithreading to complete 1000+ web requests 7.5x faster than the default Python performance.
- Used Javascript to build an inverted index, mapping crossword clues, answers, and dates to crosswords that they
 are associated with.
- Used NextJS to create an API that allows performant querying of the inverted index, and a React frontend that allows user input and visualizes search results.

Programming Skills

- Programming: Javascript, Python, C#, Java, SQL
- Web Development: HTML/CSS, ReactJS, NodeJS, NextJS, Express, SCSS, Flask
- Technologies: AWS, Azure, GCP, Burp Suite, Git, Heroku, Burp Suite