

EDUCATION

Purdue University - *West Lafayette, IN*
Bachelor of Science in Computer Science
Minor: Entrepreneurship and Innovation

Expected Graduation: December 2020
GPA: 3.41/4.0

EMPLOYMENT

Purdue University, C Design Lab, Software Developer

February 2020 – Present

- Redesigned existing AR (Google ARCore & Unity AR Foundation) application for a research project.
- Integrated Photon Unity Networking and Cloud Anchors to create collaborative AR-IoT experiences.
- Collaborated with a team of 6 to design a block programming language with Google's Blockly API.
- Led team to design a web-based electronics simulation tool using the above block programming tool.
- Submitted a manuscript to the ACM CHI 2021 Conference on Human-Factors in Computing Systems.

Ecolab, IT Division, Intern

June 2020 – August 2020

- Created a foundational Threat Intelligence System that collects critical security data from various APIs.
- Optimized algorithm for data ingestion into Elasticsearch and reduced overall run-time by 95%.
- Visualized ingested data using Kibana to create consolidated Intelligence Dashboards for InfoSec team.
- Orchestrated and executed the company's first hackathon for 20+ interns over 2 days.

RSA Security, Dell EMC (Security Division), Shift Manager

December 2018 – February 2020

- As a 24/7 point of contact, communicated with 100+ financial institutions around the world.
- Designed and deployed an internal tool in Python that automated an entire role at our site.
- Assisted in redesigning outdated programs and methods for submitting QA.
- Managed corporate inbox and analysts on shift by assigning tasks and distributing work.

RSA Security, Dell EMC (Security Division), Senior Anti-Fraud Analyst

January 2018 – February 2020

- Detection, Analysis, and Shutdown of online fraudulent activity (Phishing, Malware, Brand Abuse, etc.)
- Coordinated with internet authorities and international CERT teams to shut down above activity.

Purdue Computer Science Department, Undergraduate Teaching Assistant

June 2019 – May 2020

Course: CS 18000 (Object-Oriented Programming & Problem Solving in Java)

- Assisted 20+ students in a lab section, teaching foundational programming skills and standards.
- Held regular office hours 3+ times a week to assist students with homework help or content questions.
- Proctored major exams and lab practicals.

Course: CS 25200 (Systems Programming)

- Assisted 30+ students in a lab section, teaching shell programming and memory optimization.
- Held online office hours once a week to assist students with homework help or conceptual understanding.
- Helped shift course resources and lab materials online in response to COVID-19 pandemic.

RECENT PROJECTS

Keep Talking or Suffer a Windows Update – A Multiplayer VR Game

January 2020

- Achieved communication between a PC client and VR headset (Oculus Quest) using sockets in Java.
- Executed randomization of game components on back-end for better User Experience.
- Completed project in 36 hours at the "BoilerMake VII" University Hackathon.

OnQueue – A Social Music Application

January 2020 – May 2020

- Maintained a server based in Java that allows our web application to be changed by members in real-time.

Cookin' Boiler - A Unity VR Game

September 2019 – November 2019

- Built a Virtual Reality cooking game using Unity engine and C# Scripts.
- Created original 3D models in Autodesk Maya.

Quizwiz – An Online Quiz Taking Platform

August 2019 – November 2019

- Utilized React and in conjunction with open-source packages to make a JavaScript-based website.
- Created a NoSQL database with Firebase and integrated in each webpage.

DodgeEm - Media Search Engine Webapp

April 2019

- Worked in a team of 3 to enhance knowledge about web development and server interaction with React.
- Helped maintain existing Firebase and connected program to the OMDB API to generate search results.

SKILLS

AR/VR/Game Dev: C#, C/C++, Unity, Google AR Core, Oculus, Unreal Engine 4, Autodesk Maya

Web: Python, JavaScript, HTML, CSS, React, Firebase

Databases/BI: Java, Microsoft PowerBI, Elasticsearch/Kibana, Firebase, MySQL