

Education

Bachelor of Science in Computer Science, *University of Rochester*

Anticipated May 2022

- **Major GPA:** 4.0/4.0
- **Relevant Coursework:** Data Structures & Algorithms, Design & Analysis of Efficient Algorithms, Database Systems, Computer Organization, Programming Language Design & Implementation, Operating Systems
- **Campus Leadership Activities:** Tech Lead at Developers Student Club, Teaching Assistant for Data Structures & Algorithms course, Teaching Assistant for Computer Organization course

Technical Skills

Languages: C++, Python, Go, Java, PHP, SQL

Technologies: AWS, Azure, Apache Airflow, Jenkins, CircleCI, Datadog, Git

Big Data & Cloud: MySQL, MongoDB, AWS Kinesis, Spark, AWS S3 Bucket

Experience

LaunchDarkly, *Software Engineer Intern*

June - August 2020

- Developed low-latency data pipeline exporting data & events from internal system to customers' Azure Event Hubs
- Utilized AWS Kinesis, AWS Lambda, and AWS SQS to process terabytes of data a day and schedule retries on failure
- Set up Honeycomb.io & Datadog to continuously monitor the pipeline and create alarms to detect abnormalities
- **Technologies:** Go, AWS Kinesis, Azure Event Hubs, MongoDB, AWS Lambda, AWS SQS, Datadog

Teko Ventures, *Software Engineer Intern*

May - August 2019

- Managed data pipeline processing of over 12 billion transaction records from a computer retailer
- Implemented internal tool Change Data Capture to facilitate data storing during ingestion process
- Developed scripts to automatically generate and send daily reports via mail
- **Technologies:** Python, Spark with HDFS

Monkey Junior, *Software Engineer Intern*

May - August 2018

- Developed educational games inside applications of the company reaching 90,000 downloads
- **Technologies:** C++, Cocos

Awards & Honors

NAC Finalist, 24th place (out of 400 university teams): *ACM ICPC North America Championship*

C++

USA Champion, 1st place (out of 1000 participants): *Credit Suisse USA Coding Challenge*

Java

Consolation Prize, 16th place (out of 1000 participants): *Samsung Collegiate Programming Cup*

C++

Silver Medal, 16th place (out of 500 participants): *Vietnam Olympiad in Informatics*

C++

Projects

CSP Online Practice Environment, *Web Application*

August 2019 - May 2020

- An educational website for 1000+ students in my high school to enhance coding skills
- Designed database and develop backend services to handle submissions and retrieve data for each coding problem
- Built ranking pages to show performances of users
- **Technologies:** Laravel, PHP, Docker

Mouse Controller, *Accessibility Tools*

November - November 2019

- A desktop application that helps people with disabilities to control mouse with eyes and access computer more easily
- Collaborated with a member to design algorithms and develop the application in a 2-day hackathon (DandyHacks)
- **Technologies:** Python, OpenCV, Linux

Change Data Capture, *Data Warehouse Tool*

July - August 2019

- An internal tool tracking data and schema changes to minimize resources required for ETL
- Implemented the tool to support data ingestion from PostgreSQL and MySQL to HDFS
- **Technologies:** Python, Spark with HDFS, PostgreSQL, MySQL