

# Christopher Lee

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## EDUCATION

**University of Michigan**

**B.S. Computer Science**

**B.S. Data Science**

GPA: 3.7/4.0

Ann Arbor, MI | Expected May 2022

## PORTFOLIO

[chrislee115.github.io](https://chrislee115.github.io)

[linkedin.com/in/chrislee115](https://linkedin.com/in/chrislee115)

[github.com/chrislee115](https://github.com/chrislee115)

## COURSEWORK

- Data Structures & Algorithms
- Computer Architecture
- Database Management
- Intro Cybersecurity
- Machine Learning
- Operating Systems
- Intro Autonomous Robotics
- Distributed Systems
- Compilers
- Computer Vision
- *Computer Networks*
- *Search Engine Design*

## SKILLS

**Languages:** C++, Go, Python, Java, Javascript, SQL, R, Typescript

**Workflow:** Jira, Bitbuckets

**Design:** Photoshop, Premiere Pro

**Other:** Git, AWS, GCP

Dataflow/Cloud Functions, PyTorch, TensorFlow, sklearn, Unity, React, Django, Linux

## EXTRACURRICULAR

**Kappa Theta Pi –**

**Technology Fraternity**

Member

*Jan 2019 - Current*

**Funktion Dance Team -**

Co-President

*Jan 2019 - Current*

## WORK EXPERIENCE

**UM THinC Lab** | Simulation Programmer

Nov 2020 – Present | Ann Arbor, MI

- Maintaining UAV flight simulator in C++ for ergonomics research
- Independently working on codebase, efficiently creating and updating features based on research deadlines for the lab
- Spearheaded documentation for future lab programmers

**Amazon** | Software Engineer Intern

May 2021 – Aug 2021 | Seattle, Washington

- Collaborated in team of two to create scalable backend data pipeline in Java/Typescript that processes 800 GB+ of data, weekly automatic runs using AWS S3, Lambda, Kinesis, DynamoDB
- Worked closely in team of four to create low latency (under 80ms) service that processes and filters data from DynamoDB
- Documented and presented low-level designs detailing pipeline workflow and mechanics to meet business requirements

**Productive Edge** | Software Engineer Intern

May 2020 – Aug 2020 | Chicago, IL

- Built data pipeline in Python using NLP sentiment analysis, powerBI visualization, GCP products (Dataflow, BigQuery, Cloud Functions)/Apache Beam data processing
- Worked in team of six interns in Agile workflow, using JIRA and Bitbucket (Atlassian products)

## PERSONAL PROJECTS

**UM Course Planner** | Full-Stack | Jul 2020 – Aug 2020

- Producing website using Django to let students create 4-year college plan for specific major
- Combining data-scraper (Selenium), PDF renderer (Poppler) in Python to transform course history audit to usable data
- Collaborating with partner in Agile workflow, using GitHub version control, LucidChart for modeling

**MBus Notifier** | Android | Jan 2019 – Mar 2020

- Produced Android mobile application in JSX, React Native
- Combined Google Maps API with DoubleMap API to track bus arrival times and nearest stop to current location

**Smart Display** | Desktop Developer | May 2019 – Jul 2019

- Designed, implemented heads-up display Linux desktop application in Java, using Google Calendar, Spotify, OpenWeatherMap APIs
- Implemented, tested, refactored auto-run system on Raspberry Pi