

# Lucas Yim

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## Education

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### Georgia Institute of Technology

Expected 12/2023 | Atlanta, GA

*B.S. Computer Science, GPA: 4.0*

Coursework: Linear Algebra, Multivariable Calculus, Design & Analysis of Algorithms, Intro to Discrete Mathematics, Computer Systems and Networking, Computer Organization and Programming, Machine Learning

## Professional Experience

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### Software Engineering Intern

06/2022 – 08/2022 | Hunt Valley, MD

*Travelers Insurance*

- Designed and developed electron desktop application using React JS to automate the initial steps of migrating machine learning models to AWS, including Jenkins Pipeline, Github WebHook, and AWS Terraform integration.
- Estimated savings of 8+ hours of developer time per project.
- Contributed to Entity Extraction Project by implementing AWS lambda functions to validate extracted fields.
- Worked in Agile development lifecycle including participation in iteration planning as well as daily SCRUM.

### Software Engineering Intern

03/2021 – 05/2022 | Baltimore, MD

*Bant Sports LLC*

- Implemented full low latency In-App messaging system using Swift and Firebase RealTime Database.
- Created and wrote test cases for RESTful API in NodeJS using Firebase Functions.
- Collaborated with the design team as well as senior engineer to implement full-fledged iOS MVP using Swift.

### Automated Algorithm Design Neural Architecture Search |

01/2022 – Present

### Vertically Integrated Project Student Researcher

*Georgia Institute of Technology*

- Performed multi-objective genetic programming on the Kaggle Titanic Dataset to predict survivors.
- Implemented tracking of multiple novelty metrics in order to identify future directions for the project.

## Projects

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### SmashFrameData iOS app ✉

03/2020 – Present

- Created and currently maintain an iOS app for Super Smash Brothers Ultimate frame data and hitboxes with over 13k users and 4.9/5 stars from 100+ reviews on Apple App Store.
- Used Python to scrape all data with Selenium and BeautifulSoup into a SQL database.
- Built UI programmatically using Swift based on a Model-View-Controller Architecture.

### Twitter Sentiment Analysis Platform Team

09/2020 – 05/2021

- Created Flask API to get and deliver tweet data to the analysis team.
- Scraped and stored 10000+ tweets into a Google CloudSQL database.
- Processed data to remove useless components and clean for use as input to machine learning model.
- Hosted and configured API on Google Cloud Platform OpenAPI.

## Skills

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### Programming Languages

*Python, Java, C++, Swift, HTML, CSS, JavaScript, SQL*

### Technical Skills

*Linux, XCode, AWS, GCP, Firebase, Jira, Git, Selenium*