

# Joshua Fernandes

[jfernandes33@gatech.edu](mailto:jfernandes33@gatech.edu) | <https://fernandes42.github.io/> | [linkedin.com/in/joshua-fernandes-419956172](https://www.linkedin.com/in/joshua-fernandes-419956172)

## EDUCATION

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### Georgia Institute of Technology - 3.61 GPA

*Bachelor of Science in Computer Science*

Aug. 2019 – Dec 2023

## EXPERIENCE

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### Researcher at Teachable AI Lab

May. 2023 – Aug. 2023

*Georgia Institute of Technology*

*Atlanta, US*

- Built tutoring web application to evaluate if machine-learning chess models can improve the abilities of amateur players
- Developed metrics to measure players' improvement and wrote study test plan and application

### Software Engineering Intern

May. 2022 – August 2022

*Pinterest*

*San Francisco, US*

- Built dynamic reports to identify top users of the Creator Rewards program allowing executive staff to monitor the success of the initiative.
- Partnered with the workflow team to launch new dataflows allowing the real-time fetching of top creator data for different teams across the organization. The workflow is run daily and is used by 7 teams across the organization

### Software Engineering Intern

May. 2021 – July 2021

*Intuit*

*Remote, US*

- Built data manager to automatically remove sensitive log-in information from databases, overhauling the previous system. This removed GDPR concerns and sped up removal by 300%
- Added new features and visuals to the internal ordering system, to improve its usability in the Canadian market. The site saw an increase in orders of 23% the following month
- Improved internal documentation as the company increasingly used Python over Java for data-manager tasks, this cut the on-boarding process on my team from 4 to 3 weeks.

### Junior Software Developer

Aug. 2020 – Dec. 2020

*York NHS Hospital Trust*

*York, UK*

- Created a new application for medical examiners to efficiently record autopsy information, allowing them to save an average of 3 hours weekly by not relying on dictation and scribes.
- Designed a program to collate patient information into one concise document, enabling medical staff to find all relevant details without looking through multiple databases

### Software Engineer

Aug. 2018 – July. 2019

*Starleaf*

*Watford, UK*

- Created a metrics dashboard that allowed the Operations team to identify high usage hours and clients, enabling them to reduce outages by 12% across the network.
- Built a notification system that enabled the customer success team to find potentially churning customers. Reducing the average number of clients that left Starleaf quarterly from 14 to 12.

## PROJECTS

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### Patient SMS | *Python, Django, Bootstrap, PostgreSQL, Heroku, Twilio*

July 2020 – September 2020

- Built web application for York NHS Hospital to demo the use of an automated messaging service
- Used Twilio and Python logic to automate responses to patients
- Patient responses and information is presented for doctors on a dashboard

### Easy Notes | *Python, Django, Javascript, MongoDB, ML, NLP*

February 2020 – June 2020

- Built web application to turn lecture audio into readable notes
- Implemented abstractive summarization to shorten transcripts
- Analyzed text using different NLP techniques and Azure's API

## TECHNICAL SKILLS

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**Languages:** Python, SQL, Java, JavaScript, HTML/CSS

**Developer Tools:** Git, Google Cloud Platform, AWS, Jira, Bash, Tableau

**Libraries:** Pandas, NumPy, Scikit-learn, Selenium, Celery