

# THEODORE TIMBRELL

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## EDUCATION

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### Case Western Reserve University, Cleveland OH

August 2015 - May 2019

Bachelor of Science in Computer Science  
Concentration in Artificial Intelligence

## TECHNICAL SKILLS

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### Proficient Languages

Python, JavaScript, Java, SQL

### Used in Projects

React, Redux, Ruby, C++, JQuery, R, CSS, PHP

### Software & Tools

Git, MongoDB, Django, Docker, AWS Lambda, AWS S3, PostgreSQL, Flask, Heroku, Jira, Jenkins, SVN, NumPy, SciPy, Node.js, Bootstrap

## WORK EXPERIENCE

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### Cambly, San Francisco CA

July 2019 - Present

*Software Engineer*

- Increased purchases of long-term plans by 48% by developing a way for users to pay in installments
- Designed and developed the system's data deletion process, leading to GDPR and CCPA compliance
- Added and maintained payment integrations from Stripe, Ebanx, Adyen, Iyzico, and Razorpay
- Built out a prototype audio recording and transcription pipeline using Express, AWS Lambda, Python, and Puppeteer
- Interviewed many engineering candidates and mentored interns
- Developed infinite-scrolling and email notifications for an in-house messaging service

### Case Western Reserve University, Cleveland OH

January 2018 - May 2019

*Undergraduate Research Assistant*

- Worked under Dr. Soumya Ray in his Machine Learning lab
- Researched split criterion and new methods of constructing classification and regression trees

### Trimble MAPS (formerly ALK Technologies), Princeton NJ

May 2018 - August 2018

*Software Engineer Intern*

- Worked on the data team to build out infrastructure for new machine learning projects
- Developed new features for a Python plugin for their map data editor (GIS)
- Configured and used MongoDB and geospatial queries to efficiently store and retrieve data

### Philips, Cleveland OH

May 2017 - August 2017

*Software Engineer Intern*

- Used Java and Android Studio to develop scheduling features for an app for Radiology Technicians
- Created new Spring-based Docker microservices to connect the front-end app(s) and the Philips PET/CT scanners

### Everykey, Cleveland OH

November 2016 - May 2017

*Software Engineer*

- Took ownership of development and maintenance of the marketing and sales websites and decreased load times by 25%

### Q-Square Business Intelligence, Princeton NJ

May 2016 - July 2016

*Application Developer Intern*

## PROJECTS

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### Senior Project: Synchrony

Winner of the EECS department's Best Senior Project Award. It is a web app designed to synchronize Spotify playback using Spotify's client and our own backend. Created as a part of a team of five. I worked on the backend and data model. Developed using the Spotify Web Playback SDK, Spotify Web API, Django, Docker, and Angular.