

# MICHELLE LAM

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## SKILLS

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LANGUAGES: Ruby, Python, JavaScript, C++, HTML/CSS, SQL  
TOOLS/Frameworks: Rails, Flask, Node.js, Express.js

## EXPERIENCE

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### SOFTWARE ENGINEER | TEACHABLE

07. 2019 – PRESENT

- Implemented tooling in Ruby to provide better insights to identify problems across payouts to over 400 users
- Leading weekly meetings for employees across the company to showcase and share their technical expertise

### SOFTWARE ENGINEERING INTERN | BLUE APRON

06. 2018 – 08. 2018

- Implemented functionalities in Ember.js to internal tools that creates better transparency for company stakeholders
- Created real time email notifications with Ruby on Rails to notify company stakeholders of choices and changes made within the company product effectively and efficiently

### SOFTWARE DEVELOPER | NYU OPERATIONS TECHNOLOGY SERVICES & SUPPORT

08. 2017 – 08. 2018

- Set up OpenID Connect OAuth 2.0 authentication system for logging in users and obtaining user information
- Optimized chat bot to respond to questions from a university population of 50,000+ NYU students and faculty members
- Deployed the Express application to Elastic Beanstalk in Node.js

### IT USER INTERFACE INTERN | VANECK

06. 2017 – 08. 2017

- Automated company's QA process by creating command-line executable scripts in C# using Selenium that checks for data point values on the site and generates log files
- Optimized site speed and load time by up to 300% by creating CSS sprites with Photoshop and consolidating various CSS files

## PROJECTS

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### MATTER BOT | PYTHON (FLASK), SQL

07. 2018

- A chat bot that queries Blue Apron associates for suggestions to improve the company, empowering associates with the ability to communicate their ideas directly with other company employees
- Created database schema in SQL, worked on conversation flow with Twilio API, and integrated Slack and Google Sheets API to store and send the content of text messages

### NEOTRACKER | NODEJS, EXPRESS, SQL, CHARTJS

01. 2018 – 03. 2018

- An analytical application that monitors and visualizes an online community's activity by scraping message count daily
- Used SQL to store and retrieve information for verification or data aggregation purposes
- Visualized the number of posts made on a daily basis with Chart.js to improve moderator's understanding and analysis of online community's performance

### PRICOSHA | PYTHON (FLASK), JAVASCRIPT, SQL, HTML/CSS

11. 2017 – 12. 2017

- A social networking platform that allows users to share content items among groups of people
- Designed and implemented a user database that managed user authentication, and content storage
- Coded various application functionalities (ie. authentication, post creation, etc) in Flask framework

## EDUCATION

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### NYU TANDON SCHOOL OF ENGINEERING | B.S. IN COMPUTER SCIENCE

09. 2015 – 05. 2019

- Relevant Coursework: Full Stack Web Development, Software Engineering, Info Visualization, Operating Systems, Databases, Algorithms, Data Structures & Algorithms, Object-oriented Programming