

# Michael T. Andemeskel

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UC Merced Computer Science and Engineering, Class of 2018

*Results driven, Software Engineer striving to learn, grow, and contribute.*

## Knowledge

	Expert	Advanced	Proficient
Languages	Python, C/C++, Java, & JavaScript	HTML/CSS, PHP, Kotlin, & SQL	Ruby & TypeScript
Frameworks	Flask	Ionic	Django & Express
Libraries	jQuery, Bootstrap, Espresso, & JUnit	AngularJS, plotly.js, & Espresso	RSpec, PyTest, & Igloo
Paradigms	GitFlow	Test Driven Development	Continuous Integration

## Experience

### Stitch Fix (online retailer, 6/18 - current): Software Engineer

Implemented hourly workers to collect metrics and track the performance of an experimental feature.  
Created an in-depth documentation of two interdependent apps lowering tech debt.

### Ordino (agtech, 8/17 - current): Software Engineer & Data Scientist

Prototyped a model, using TensorFlow, to count the number of plants in a field using drone imagery.  
Created a native Android app, using Java and Kotlin, to control a DJI drone to collect crop data.  
Implemented an App Engine Flask server to graphically represent data collected by a drone.

### Stitch Fix (online retailer, 5/17 - 8/17): Intern Software Engineer

Facilitated 15% increase in samples processed monthly by creating new sample tag using Ruby's Prawn PDF generator gem.  
Increased test coverage of major feature from 69% to 100% and implemented integration tests.  
Implemented a Ruby app to automatically create and update a Rails server's environment files, dramatically decreasing setup time.

### Nerd Crossing (web studio, 3/15 - 3/16): Lead Full Stack Web Developer

Created and maintained websites for non-profits, public agencies, and small businesses from project design to launch.  
Designed, implemented, and maintained custom plugins and themes in PHP5 and MySQL.  
Interviewed, trained, and managed my replacement.

## Startups & Projects

### Enfant (infant care, 4/17 - current): Co-Founder - [Play Store](#)

Developed a native Android app, using Java and Kotlin, to translate baby cries into actionable suggestions.  
Designed and created an App Engine Flask server to receive and store user data from the app onto Google Cloud.

### HealthyHost (health care, 8/17 - current): Lead Android Developer & Teacher - [Play Store](#)

Taught and mentored a group of first-time programmers on Android development, version control, and GitFlow.  
Implemented the media playback feature.

### Apo (health care, 8/17 - 12/17): Android Developer - [Github](#)

Created Android app to query a server for pill information based on user input.  
Used multiple libraries to implement image capture, HTTP requests, and testing regime.

### CloudImporter (image manager, 3/17 - 6/18): Founder - [DroneDeploy](#)

Released a DroneDeploy app, using HTML5 and JavaScript, that allows pilots to import pictures from cloud storage to DroneDeploy.  
Launched an App Engine Flask server to create and keep track of users with Google Cloud's Datastore.

### Better than Passport (edtech, 12/14 - 5/16): Founder - [Play Store](#) and [betterthanpassport.com](http://betterthanpassport.com)

Decreased the number of clicks to search for a class by 71% by creating a hybrid Android app built with Ionic and AngularJS.  
Designed and built a web app built on a Python backend and AngularJS as the frontend; it helps students find classes.  
Scripted Python web crawlers, using Scrapy, that collect 13k classes and crawl 27k pages weekly.

## Miscellaneous

### Asante Africa Foundation (education and leadership, 6/15 - 3/18): Volunteer Web Developer & Project Leader

Designed and built e-newsletter and event landing page using PHP5 and Bootstrap.  
Led an interdisciplinary and multi-location team to design, develop, and maintain the new Asante Africa website.

### Winner of Valley Hackathon (1/2017):

Hacked a Java applet that controlled an EKG reader and built Python script to display a user's emotional state and focus.

### Interests:

Africa, Economics, World History, Origami, Poetry, Reading, and Running