

# BRANDON BARKER

## SOFTWARE ENGINEER

### CONTACT



brandonbarker.me



contact@brandonbarker.me



+1 (215) 530-1609

### LANGUAGES

Java	Scala
Python	Typescript
JavaScript	AppleScript
HTML/CSS/LESS	Lua
CoffeeScript	C#
Bash	C++
Apex	Groovy

### FRAMEWORKS

NodeJS	WebGL
Gulp	Jackson/JSON
Grunt	JDBI
Makefile	Google Cloud
ReactJS	JQuery
Amazon Web	Spring
Heroku	Google Web
Django	Numpy
Maven	Docker
Gradle	web2py
SQL	Flask
Postgres	MySQL

### EDUCATION

COMPUTER SCIENCE	MAJOR
BUS. MANAGEMENT	MAJOR
MATHEMATICS	MINOR
West Chester University	3.9 GPA
2017-2021	

### SOCIAL



github.com/projectbarks



linkedin.com/in/projectbarks



@projectbarks

### EXPERIENCE

#### COMMA.AI

##### SOFTWARE ENGINEER INTERN

May 2018 - Aug 2018

- Designed a mapping engine capable of loading 5,000,000+ miles of data.
- Structured toolset to generate 3D Tiles, render the data within a browser context, and provide metadata when interacting with the mapping frontend.

#### DOKKIO

##### SOFTWARE ENGINEER INTERN

Jun 2017 - Jan 2018

- Analysed 2000GBs of data, creating a recommendation system for categorizing files and folders.
- Using HTML5 implemented a document preview engine capable of loading documents with hundreds of pages.

#### YURGOSKY CONSULTING

##### SOFTWARE CONSULTANT INTERN

Jun 2016 - Oct 2016

- Refocused existing UI's to be centralized around user experience, simplifying non-profit's daily tasks and integrated data entry directly into Salesforce.
- Removed redundancy in client communication, created an error reporting system that connected directly into the project management system.

#### AIRPHRAME

##### SOFTWARE ENGINEER INTERN

Jun 2015 - Oct 2015

- Optimized daily operations by building a tool capable of consolidating 100+ gigabytes from the web platform with a custom live zip micro-service.
- Built the mapping platform's aerial avoidance system and integrated video based capture, capable of recording 2+ hours of footage.

#### CLOUDMINE

##### SOFTWARE ENGINEER INTERN

Jun 2014 - Aug 2014

- Structured a continuous integration system generating docker environments for easy automated staging and production testing.
- Worked on the Android API platform to ensure continuity and scalability.

### EXPERIENCE

#### BEST YCDS HACK AT YCPHACKS

Oct 2017

Developed a big data app capable of finding any person with minimal amount of information scraping through Facebook, Whitepages, and other websites.

#### BEST AUTONOMOUS AT FTC WORLD COMPETITION

Apr 2017

Awarded the Control Award for implementation of a Kalman filter, PID drive, and integration of sensors in the control of the teams robot.

#### 1<sup>ST</sup> PLACE AT THE CODE FOR GOOD COMPETITION

Oct 2016

Created an application to assist underprivileged students in attending college through the gamification of scholarships.

### PROJECTS

#### IOCLIST

Eye exams through your phone, testing: astigmatism, color blindness and visual acuity.

#### BEATSYNC

Web App that uses WebRTC to sync music across multiple devices with low latency.

#### DATALOGGER

Android library coupled with a desktop app to view live data and edit variables remotely.