BRANDON BARKER

SOFTWARE ENGINEER

CONTACT

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LANGUAGES

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

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

in 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.

1ST 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

IOCULIST
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.