Jack Crawford

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Formal Education

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Villanova University - Philadelphia, PA

- Expected graduation: May '21
- Major: Computer Science
- Minor: Cognitive Science
- GPA: 3.52/4.0
- President - Association of Computing Machinery
- Station Manager - WXVU Villanova Radio
- Dean's List - Fall 2018, Spring 2019

Projects and Activities

ACM Hackathon 2017

- Helped to organize and run the first ever hackathon at Villanova.

ACM Hackathon 2018

- Participated in the second hackathon at Villanova, placing second.

ACM Hackathon 2019

- Organized and facilitated the spring hackathon at Villanova.

ACM Workshops

- Organized 10+ technical workshops ranging from Git 101 to Node.js to game development.
- Led two on iOS development, one on web development, and one on using Anaconda and Jupyter.

Service-Learning Community

- Led weekly trips to St. Francis De Sales School, helping kindergartners and first graders with their reading and writing skills.
- Installed a new iPad station in their kindergarten classroom.

Further Education

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Data Science Specialization - Johns Hopkins University, Coursera, 2019
   Focusing on Data Science using R and R Studio, I'm currently pursuing this MOOC.

Skills

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PHP – Intermediate	SQL – Intermediate	C/C++ – Beginner
Swift – Advanced	Node.js – Intermediate	Jupyter – Intermediate
JavaScript – Intermediate	Electron - Intermediate	Flutter – Beginner
HTML/CSS – Advanced	Xcode – Advanced	Wordpress – Intermediate
Java – Intermediate	Android Studio – Beginner	Project Management
Python - Intermediate	Amazon Web Services – Beginner	Video Production
	iBeacon protocol – Advanced	R/RStudio – Intermediate

Work Experience

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Junior Developer – Tenstreet – Tulsa, Oklahoma – June '15 - August '17

- Built a tool to scrape the Department of Transportation's SAFER database, pulling fleet data for more than two hundred thousand companies.
- Developed the foundation for their iBeacon system, both the hardware and a basic framework for their iOS and Android applications.

Creator and Developer – Holland Hall School – Tulsa, Oklahoma – January '16 - May '17

- Pitched, designed, and developed a scheduling app for my high school.
- The school has a fairly unique schedule, with a 6-day cycle and a modular class structure, which the app tracked and displayed in real time.
- Included a parallel web portal which gave administrators a framework for updating and altering the upcoming weeks.
- I was awarded the school's Senior Computer Science departmental award as a junior for the project.

Founder – Teer – Tulsa, Oklahoma – June '16 - July '17

- Founded Teer to make volunteerism easier through an iOS app and web app.
- Developed and iterated the product myself.
- Pitched and was accepted to BetaBlox, a startup incubator, while in high school.
- Closed the business upon leaving for college.

Intern – 36 Degrees North – Tulsa, Oklahoma - May '17

- Facilitated tours of the facility. (It's a coworking space.)
- Organized lunches, workshops, and other events for clients.

Developer – Tenstreet – Tulsa, Oklahoma – June '18 - August '18

- Developed and published 42, an iOS app for in house use that combined several different tools:

- Using iBeacons, 42 tracks relative position in the office, displaying everyone's locations in app.
- 42 contains all of Tenstreet's analytics tools on mobile for the first time, and a brand-new sales tool for contacting coworkers that may be able to help with a problem.
- Built a companion tvOS app for showing relevant metrics in real time around the office, as well as a scaled-up version of the office map.
- Developed a web based OKR management platform, processing Excel files for web use.

Peer Tutor – Villanova University – Villanova, PA – September '18 - Present

- During the school year, I peer tutor within the Computer Science department at Villanova.
- Primarily teaching Java, but also covering some Python, web development, and C++.

Office Facilities Manager – Tenstreet – Tulsa, OK – May '19 - August '19

- Coordinated with building owners on upgrades to the company's space, maintained dining spaces, stocked supplies, and onboarded new employees.

Software Engineering Intern – Gravatate – Tulsa, OK – June '19 - Present

- I joined Gravatate as they pivoted from an external development team to one in-house and was tasked with maintaining and improving their mobile apps after the transition.
- I'm also updating their marketing site, QA testing updates, and researching and developing new features for the product. Notably I've built an MVP of a VoIP feature for the platform for internal testing.
- Additionally, focused on creating documentation for their products and codebases, to help both testers and new developers.

Other Work

- I have designed, developed and published 8 iOS apps, ranging in depth and complexity, as a way of learning new technical skills.

Additional Information

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- 2017 National Merit Finalist
- Received the Holland Hall School Senior Departmental Award in Computer Science twice (junior and senior year).
- Member of Augustinian Values Organization where I work with the elderly and infirm friars who live at Villanova.
- Host of The Come Up on Villanova Radio - WXVU 89.1 FM.
- I speak elementary Italian and Latin.
- Recipient of Villanova's ICE CaPS 2018-2019, a certification in Innovation, Creativity, and Entrepreneurship.
- Alumni of Villanova's Freshman Leadership Learning Community and Sophomore Service-Learning Community.