Hassan El Mghari

◆ **Phone:** (215) 220-5317 ◆ **Email:** hassan@hey.com ◆ **LinkedIn**: /nutlope ◆ **GitHub:** /nutlope_ ◆ **Site:** hassanelmghari.com

EDUCATION

DREXEL UNIVERSITY – GPA 3.7   SEPTEMBER 2016 – JUNE 2021
BACHELOR OF SCIENCE IN COMPUTER ENGINEERING   PHILADELPHIA, PA
- **Relevant Courses:** Data Structures, Computer Architecture, Advanced Programming, Pattern Recognition

EXPERIENCE

DEVELOPER ADVOCATE & SOFTWARE ENGINEER   JULY 2021 – PRESENT
FIG   *SAN FRANCISCO, CA*
- Grew Fig's community discord from 1k to 2k+ members and twitter from 3k to 4.7k followers in 6 weeks
- Contributed thousands of lines of JavaScript to Fig's OSS autocomplete repo including several PR reviews
- Made it easier for developers to contribute by re-writing the docs and doing weekly livestreams
- Redesigned and implemented a production web app using React, Python, and TypeScript

SOFTWARE ENGINEER INTERN   APRIL 2020 – JUNE 2020
SLEEK   *SAN FRANCISCO, CA*
- Implemented key features including search & payment authentication in food ordering app using React, Redux and Node.js
- Improved speed of dashboard app by 63% through unit tests, refactoring code & removing unnecessary dependencies

FOUNDER & CEO   OCTOBER 2015 – JANUARY 2020
ULTRASHOCK GAMING LLC (ACQUIRED)   *PHILADELPHIA, PA*
- Built a Steam community of 500,000 gamers, social media of 150,000, and email newsletter of 135,000 subscribers
- Negotiated and signed 15+ royalty-based contracts with individual developers and game studios
- Successfully exited by selling the startup to two other gaming companies

PROJECTS

DEEP VEIN THROMBOSIS PREVENTION DEVICE (PATENT PENDING) | PYTHON, TENSORFLOW, FLASK
- Created a wearable and portable smart actuation device for DVT risk mitigation, along with 3 teammates
- Made & trained a machine learning model to classify movements based on an accelerometer with 92% accuracy
- Developed a web server to communicate with our microcontroller and store info in an SQLite Database

ALI ABDAAL SEARCH ENGINE | PYTHON, REACT, POSTGRES
- Designed & implemented a search engine to be able to search phrases and find the videos where they were said
- Involved web scraping, downloading videos, transcribing them, using a database to store data, and building a frontend

COVID CLASSIFIER | PYTHON, KERAS, SKLEARN
- Built a classifier that takes in CT images of patients and can determine, with 85% accuracy, if the subject has COVID-19
- Used a k nearest neighbor algorithm that after hyper tuning, achieved 85% classification accuracy

SKILLS

- **Front-end:** React, JavaScript, HTML, CSS
- **Back-end**: Node.js, Python, AWS (Amplify, Lambda, DynamoDB), Firebase (Firestore, Auth, Storage)

AWARDS & CERTIFICATIONS

- Moderator of the largest online React.js community with over 270,000 members, /r/reactjs
- Philadelphia City 6 Drexel Volleyball Champion for the first time in school's history
- Professional Scrum Master I certification