

# Hassan El Mghari

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## EDUCATION

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**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

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**DEVELOPER ADVOCATE**

**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

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**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

**ALIABDAAL 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

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

## AWARDS & CERTIFICATIONS

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