

Otto Juba

Innovative problem solver with strong analytical skills launching career as a software engineer. Experience in complex algorithm development, agile work environment, full stack development, and code testing. Excellent verbal and written communication skills. Strong team player and quick learner of new technology and tools.

10131 Nanford Rd
Cleveland, OH 44102
(440) 665-3010
OttoJuba@gmail.com

EDUCATION

Cleveland State University — *Bachelors in Computer Science*

Fall 2016 - Summer 2019

Graduated with honors in 2019. Research focused on machine learning, computer vision, embedded systems, network security, and penetration testing.

PROJECTS

Web Design — AWS

Designed and maintained professional websites for individuals and companies. Websites feature intuitive, modern navigation and UI. Websites run on a secure, personally managed AWS ubuntu server utilizing LAMP stack. URLs available upon request.

Smart Bike Lock — *Project Lead*

Managed an agile team of engineering students to complete our Capstone project. Device utilized a solar powered Bluetooth LE IOT board and mobile devices to communicate with an AWS LAMP server running a webapp based on ReactJS. Webapp leveraged Google API based homescreen similar to many ridesharing apps.

Automated Aquarium Cleaner — *Computer Vision*

Designed and fabricated an IOT robot to automate the cleaning of aquarium glass that also allows the user to monitor the aquarium via website or webapp. A custom pathing algorithm was designed to ensure efficient and stable operation.

Smart Mirror — *Embedded System*

Built a smart mirror that implements OpenCV for facial recognition and utilizes ultrasonic sensors for command input. Draws data points from multiple API's and leverages NPM for ease of development.

EXPERIENCE

Blue Fish Aquariums, Mayfield OH — *Project Manager/Sales*

2018 - 2021

Designed and installed smart home aquariums capable of full automation and over-the-internet management to provide stability and control.

SKILLS

Linux, Windows, SSH, Git

AWS, LAMP Stack

VMware, Remote Access

Networking, Security, Kali

Google API's, IOT

Team Building

SDR, GNU Radio, GQRX

PID Tuning, 3d Printing

OpenCV, TensorFlow

Office 365

Languages

Java, C, Python

Bash, PowerShell

HTML, JavaScript, PHP

Go, SQL, Ruby on Rails

AWARDS

Dean's List:

Spring 2018, Summer
2018, Fall 2018, Spring
2019

Graduate Honors:

Cum Laude