

Luke Grippa

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EDUCATION

University of Delaware, College of Engineering

*Bachelor of Science: Major in Computer Engineering, Minor in Computer Science and Cybersecurity
Dean's List: Fall 2019, Spring & Fall 2020*

Newark, DE

Expected May 2021

SKILLS & INTERESTS

Coding: Java, Python, NumPy, Pandas, Matplotlib, JavaScript, PHP, HTML, CSS, Adobe XD, Adobe Photoshop

Language: Italian (Conversational)

Interests: Snowboarding, guitar, web development, soccer

PROFESSIONAL EXPERIENCE

Shop Fresh Seafood

Paramus, NJ

Co-founder

May 2020 – Present

- Built and developed a family run seafood delivery business providing hometown and neighboring communities with fresh seafood delivered to their homes during COVID-19
- Created and managed excel spreadsheets tracking all menu items and prices varying by week along with customer orders, billing, and invoicing
- Maintained a spreadsheet with historical business data and metrics including orders, pricing, costs, inventory and margins
- Currently building an online Shopify store, allowing customers to place their seafood orders online

GoVyr1, Inc.

Irvine, CA

Software Developer

June 2019 – August 2019

- Created a live testing automation framework to ensure ongoing website functionality using Java and Selenium
- Manipulated and cleaned data using Pandas, NumPy, and Matplotlib
- Analyzed complex landscapes of social datasets (Instagram, Facebook, YouTube, etc.) to extract valuable user data
- Utilized APIs to extract and stream this valuable data into MySQL databases
- Participated in sprint planning and development meetings to execute biweekly projects

Barnstable Partners LLC

Saddle River, NJ

Construction Worker

June 2018 – August 2018

- Member of a team working on the building and completion of a large home addition project
- Conducted a broad range of construction projects involving demolition, site maintenance and clean up, materials transport, and general support of all phases of construction

LEADERSHIP EXPERIENCE

Innovation Health and Design Lab

Newark, DE

Lead Engineer Volunteer

February 2020 – Present

- As lead engineer I assisted in developing a wearable assistive voltage exoskeleton for patients with MS
- Utilized the super elasticity and shape memory properties of nitinol wires to help move a patient's arms
- Programmed an Arduino Uno to use pulse width modulation to activate the shape memory properties of the nitinol wire

University of Delaware Capture the Flag Team

Newark, DE

Team Member

February 2020 – Present

- Competed in weekly Capture the Flag cybersecurity/hacking competitions involving web security, cryptography, reverse-engineering, and binary analysis
- Performed SQL Injections, XSRF, XSS, and XEE
- Analyzed and exploited RSA encryption, Vigenère ciphers, and Columnar Transposition ciphers using Python

Kappa Sigma Fraternity

Newark, DE

Recruitment Chair, Social Chair

February 2017 – Present

- Manage and coordinate all communications with 250+ prospective members during year-round chapter recruitment programs
- Plan and organize social events (75+) on campus with fraternities, sororities, and the student body