Luke Grippa

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EDUCATION

University of Delaware, College of Engineering   **Newark, DE**
Bachelor of Science: Major in Computer Engineering, Minor in Computer Science and Cybersecurity   *Expected May 2021*
Dean's List: Fall 2019, Spring & Fall 2020

SKILLS & INTERESTS

Coding: Java, Python, C/C++, JavaScript, PHP, HTML, CSS, Liquid, MVC, SQL, MySQL, Adobe XD, Adobe Photoshop
Language: Italian (Conversational)
Interests: Web development, snowboarding, guitar, 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

GoVyrl, 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