

# NIPUNA WEERAPPERUMA

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## EDUCATION

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### University of Florida, Gainesville

Exp. Grad: May 2021

BS Computer Engineering, BA Business Administration, MS Entrepreneurship; Presidential Platinum Scholar (<0.8%) GPA: 3.97/4.00

Completed coursework: Programming Fundamentals 1 (Java), Programming Fundamentals 2 (C++), Discrete Structures, Digital Logic, Data Structures, Computational Linear Algebra, Microprocessor Applications, Computer Organization, Signals and Systems

### Middleton High School (STEM), Tampa

Grad: May 2018

HS Diploma; Dual Advanced Placement (AP) + Project Lead The Way (PLTW) Engineering, Biomedical Sciences (<0.01%) GPA: 3.97/4.00

PLTW coursework: Computer Integrated Manufacturing, Principles of Engineering, Engineering Design & Development (senior capstone project), Computer System Essentials, and Medical Interventions

## EXPERIENCE

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### Enterprise Operations Intern

Charter Communications (Spectrum)

June 2020 – August 2020

- Undertook and fulfilled approximately 40 service acceptance tickets in Salesforce for Managed Voice Trunking (MVT) team
- Catalogued 12 discoveries and tasks for Customer-premises equipment (CPE) Deployment Optimization ticket in the company JIRA
- Updated the MVT webpage displaying team structure, contacts, and service acceptance procedures on the CHALK database
- Educated team members on updated service acceptance protocol via 1-on-1 meetings (> 5 hours)

### Team Lead

August 2017 – May 2018

Project Lead The Way (PLTW)

- Aggregated and presented research on the high incidence of back injuries in the glass and glazing industry; completed 3 quarterly presentations which were critiqued by a lead engineer
- Modeled several revisions of the team's exoskeleton solution in AutoDesk Inventor; simulated a stress analysis for up to 300lbs
- Independently contracted over \$300 additional revenue from local businesses and competing teams
- Selected among 32 teams to present our findings and a final prototype before a panel of angel investors

### Curriculum Developer, Intern

June 2017 – October 2017

Computer Mentors

- Solidified HTML5, CSS3, and JS skillset (40+ hours) through TeenTech's web application program
- Compressed (12-13%) several sections of the TeenTech web application curriculum for increased clarity and comprehension
- Networked with organization to incorporate yearly tech challenge at Middleton High School

### Lead Web Solutions Developer

October 2016 – February 2017

Vision

- Developed an e-commerce shopping interface for a business-to-business cabinet-making company embracing automation
- Created the frontend where unique parameters (e.g. hinge type, glide type, finish) are input by the customer
- Utilizes Javascript-based multi-attribute formula to inform customer of price based on parameters and to interface with server
- Co-developed PHP backend which keeps track of account tokens and outputs a CSV file with all parameters to a remote server location upon customer purchase for the milling machine to read

## PROJECTS

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### Kanzen Color Planned technologies: Python, C++

November 2020 – Present

Automating the embroidery of anime-inspired apparel (crewnecks, long-sleeves, T-shirts) at an affordable rate (Wilcom e4.2 software). Plans to also create software that scrapes analytics on trending anime-related keywords for idea generation.

### Lotus Python

August 2020 – December 2020

A highly dynamic and modular notespace that translates the benefits of typing to writing. Employs the PyQt5, PyTesseract, and OpenCV libraries.

### Mint Merch HTML, CSS, JS

September 2016 – March 2017

Awarded 1<sup>st</sup> place at districts for submission in Future Business Leaders of America (FBLA) E-Business 2017 prompt

## SKILLS

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**Certifications:** A+ (Plus) 901, Biotechnician Assistant Credential, Web Foundations, Inventor Certified User, Dreamweaver

**Programming Languages & Proficiencies:** HTML, CSS, JS, Java, C++, Python, PHP, Adobe Photoshop, Adobe Illustrator

**Interests:** UX Design, Entrepreneurship, Startup Culture, Data Science, Innovation, Team Management, Productivity