

NIPUNA WEERAPPERUMA

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EDUCATION

University of Florida

BS Computer Engineering, BA Business Administration; *GPA: 3.97*

Presidential Platinum Scholar

Aug 2018 - May 2022

EXPERIENCE

Charter Communications (Spectrum)

Enterprise Operations Intern

June 2020 - August 2020

- Undertook and fulfilled (approx. 40) service acceptance tickets in Salesforce on behalf of the Managed Voice Trunking (MVT) team
- Catalogued (10-15) discoveries and tasks for Customer-premises equipment (CPE) Deployment Optimization ticket in the company JIRA
- Enhanced the MVT webpage to accurately display new team structure, contacts, and service acceptance procedures on the CHALK database
- Supervised team members on updated service acceptance protocol via 1-on-1 meetings (> 5 hours)

Computer Mentors

Curriculum Development Intern

June 2017 - October 2017

- Polished 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

Vision

Lead Web Solutions Developer

October 2016 - February 2017

- Developed an e-commerce application for a business-to-business cabinet-manufacturing company embracing automation
- Designed frontend product array so that cabinet characteristics (e.g. hinge, glide, finish types) can be input to the customer's desired specifications
- Implemented Javascript-based formula to calculate a cabinet's price based on input specifications and to relay the result to the backend
- Co-developed PHP backend to maintain account tokens and deploy CSV files (upon completed purchases) to a remote, server-enabled milling machine

SKILLS

Programming Languages: Java, C++, Python, C#, C, Assembly, VHDL, JS
Hardware Proficiencies: Digital Logic (ALU, CPU), Microprocessors, Digital Design (FPGA)
Interests: Entrepreneurship, Team Management, Data-driven applications

PROJECTS

ClariFi (Capstone) *VHDL, Electron, React, Python* <https://github.com/nipunaw/ClariFi>
FPGA and software crossover to bring your microphone clarity and fidelity

Kanzen Analytics *Django, PostgreSQL, Dash* <https://github.com/nipunaw/Kanzen-Analytics>
Data-visualization web application that presents and predicts search analytics for animated shows

Lotus *PyQT5, PyTesseract, OpenCV* <https://github.com/nipunaw/Lotus>
Modular desktop application that translates the benefits of typing notes to writing notes

Mint Merch *HTML, CSS, JS* <https://nipunaw.github.io/mintmerch/index.html>
District-winning (1st place) website submission for the E-Business FBLA 2017 prompt

Exoskeleton *AutoDesk Inventor*
Project Lead The Way (PLTW) capstone project to reduce back injury incidence in glass and glazing