

NIPUNA WEERAPPERUMA

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EDUCATION

University of Florida

BS Computer Engineering, BA Business Administration, **MSEE/CE*** coursework
Presidential Platinum Scholar

Aug 2018 - May 2022

GPA: 3.97

SKILLS & EXPOSURE

Relevant Coursework: **Reconfigurable Computing 1-2***, Digital Design, Microprocessors 1
Relevant Tools & Languages: Vivado, Quartus, ModelSim, SystemVerilog, VHDL, C, Assembly
Other Proficiencies: LTSpice, WaveForms, MatLab, Python, C++, Java, JavaScript

EXPERIENCE

Spectrum

Enterprise Operations Intern

June 2020 - August 2020

Python, JIRA, Salesforce, JIRA

- 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

JavaScript

- Polished 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

JavaScript, PHP

- 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

PROJECTS

ClariFi - Senior Capstone (<https://github.com/nipunaw/ClariFi>)

FPGA and desktop software solution that boosts microphone clarity and fidelity

VHDL, Electron, React

Kanzen Analytics (<https://github.com/nipunaw/Kanzen-Analytics>)

Data-visualization web application that presents and predicts search analytics for animated shows

Django, PostgreSQL, Dash

Lotus (<https://github.com/nipunaw/Lotus>)

Modular desktop application that translates the benefits of typing notes to writing notes

PyQT5, PyTesseract, OpenCV

Mint Merch (<https://nipunaw.github.io/mintmerch/index.html>)

District-winning (1st place) website submission for the E-Business FBLA 2017 prompt

JavaScript

Exoskeleton

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

AutoDesk Inventor