My webste: www.setupotnis.netlify.com

SETU POTNIS

Nanotechnology Engineering Student

GET IN TOUCH

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/setupotnis

/setu-potnis

SKILLS

- Able to work in a team to solve problems
- Oral and written communication skills
- Fluent in both English, and French

Working knowledge in :
- Python, C
- JavaScript, HTML, CSS
- R, MatLab
- Git
- Microsoft Suite

Through relevant coursework, I have:
- Recorded projects on GitHub through git on Mac terminal

- Employed regression models in MatLab to find line of best fit through an arbitrary amount of data points

- Designed with three-dimensional modelling software, specifically SolidWorks

- Practical circuit experience with breadboards, inductors, and capacitors in order to make RL and RC circuits

- Used a digital multimeter to measure AC and DC voltage and current as well create an AC source through a wave generator

- Experience with an Oscilloscope through labs in order to measure square, sinusoidal, and triangular waveforms

WORK HISTORY

Tejo Cosmetics

Software Developer Intern | (May 2019- August 2019)

- Work directly with the founder to determine which features should be developed
- Work with end-users to gather requirements and document proposed solutions
- Learn and support the current web production pipeline
- Develop custom functionality into proprietary software
- Solve internal problems creatively, effectively and efficiently
- Explore and prototype new solutions
- Communicate effectively with end-users and management estimate and deliver results

PROJECTS

Tejo Shopify App

Provided a full stack application with frontend built in react.js and backend built with PHP to allow existing cosmetic e-commerce stores to sell the correct makeup to their users in order to increase customer satisfaction

React Recipes

Created a react.js application which can call for recipes from an API in order to learn more about different cuisines as well as learn more about the react framework

Python Automation

- Create python scripts to automate actions on social media and real estate websites in order to optimize time and resources spent and followers and reach gained.
- Automating process overcame new issues, such as popups and bot detection software through manual override options

Scanning Tunnelling Microscope (STM)

- Constructed three dimensional model of STM with SolidWorks
- Designed a fully functioning scanning tunnelling microscope with use of the engineering design process cycle
- Incorporated relevant course knowledge from linear circuits, materials science, and chemistry, specifically the circuit built with op-amps and capacitors, the tip of the microscope constructed through a redox reaction, and the construction of a piezoelectric disc in order to operate the microscope

ACADEMIC BACKGROUND

University of Waterloo (Expected, Class of 2023)

Bachelor's of Applied Science | Nanotechnology Engineering

- Multi-disciplinary engineering field, which draws from and benefits areas such as materials science, programming, physics, and chemistry
- Knowledge in Data Structures and Algorithms, Computational Methods, and Fabrication
- President's Scholarship (2018)