Shopify- DAMILARE-OLUWA ADENIYI

> Enthusiastic engineer with interest and experience in the research and development of new product. Able to interact with peers in a constructive, creative, and professional manner during the design and development process. Currently a 5th year Engineering Physics and Computer Science student at the University of Saskatchewan, with an academic average of 86%. Seeking to leverage strong Computer Science, Mathematics and Physics skill acquired studying under the U of S faculty and apply the scientific methods. Current member of the University of Saskatchewan Space Team(USST).

☎️ Contact information

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🔗 LinkedIn - Damilare-Oluwa Adeniyi

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🛠️ Skills

- Python expertise
  - Numpy
  - Pandas
  - Juputer Notebooks
  - Django Web Framework expertise
- C/C++ expertise
  - RTEMs expertise
  - Arduino
- SQL
- Git expertise
- Statistical Analysis
- Machine Learning
- Analytical skills
- Organization and Time management
- Critical thinking
- Computational Physics

👩‍💻 Work experience

Summer Research Student

Canadian Light Source Inc. / Centre canadien de rayonnement synchrotron – *(May 2021 - August 2021)*

- Develop a mathematical model that estimates the required experiment time based on beamline motor scanning and detector readout times.
- Model photon-in/photon-out interactions with respect to the overall photon yield.
- Build and test a web interface that allows researchers to enter an experiment plan and receive a time estimate for the entire experiment.
- Assist with beamline operations when applicable.

Research Assistant

Condensed Matter Theory Group, *University of Saskatchewan – (June 2020 - August 2020)*

- Gathered, arranged and corrected research data to create representative graphs and charts highlighting results for presentations.
- Developed macros, special formulas and other actions to produce reliable and consistent statistical reviews.
- Performed statistical, qualitative and quantitative analysis.
- Used VASP(**Vienna Ab initio Simulation Package**) to calculate equation of state.
- Studied the structure of metals at high pressure.

📚 Education

Engineering Physics & Computer Science Dual Degree

Expected in 04/2022

University of Saskatchewan - Sk, Canada

🏆 Honors and Awards

- **Dean's Honor Roll College of Engineering University of Saskatchewan**, 4 academic years - (2017 - 2021)
- **Stantec Consulting Student Award** - 2021
- **Nasser Family Awards in Engineering** - 2021
- **Dr. Raymon Montalbetti Bursary** - 2021

Student Group Affiliations

USST-University of Saskatchewan Space Team, *2018-Present*

- Rocketry
  - Avionics Sub-team: My role was to design software to enable communication between the flight computer and the sensors. I worked on the GPS and IMU sensors.
  - Propulsion: My role was primarily to research different propulsion designs and how they can be implemented.
- Cube-sat
  - Power and Electrical Sub-team: My role in the power and electrical sub-team is to design a timer board circuit to delay the distribution of power in the cube-sat to prevent interference between the ISS communication gadget and the cube-sat communication gadget.

Engineers without Borders, *2018-Present*

- Website Director – 2019-2021
  - My role was to maintained the word press based University chapter website.

🗣️ Languages

English

Native speaker

Reference

Available upon Request