Project Opportunities

Co-op/Internships, Research based projects, Full-time Opportunities.
CANBeWELL

Health Care Application

The CREATE-BEST ("Biomedical Engineering Smartphone Training") program enhances graduate student training by providing employment ready skills and knowledge.

The program provides essential learning opportunities for app creation, oral and written communication, entrepreneurship, clinical experiences, and industry internship opportunities.

http://www.create-best.com/

SKILLS:

- Experience with web development.
- Good knowledge of JavaScript, CSS, HTML, Firebase, ReactJs
- Experience with data analytics.
- Understanding of visualization tools like PowerBI.
- Knowledge Python, Firebase, Django
- Project Management

STREAMS:

Computer Engineering, Computer Science, Engineering Management, Biomedical engineering, Systems science or related fields.
Mitigating traffic related air pollution through trees and shrubs

The students will apply a species assessment framework developed in the UK and apply it to Ontario to identify the preferred species that are best at removing a group of air pollutants for Ontario urban environments.

STREAMS:

- Civil Engineering
- Environmental Engineering
- Biomedical Engineering
- DTI
- System Science
- Computer Science
- Mechanical Engineering
- Engineering Management
Role description:
- Front-end development
- Back end development
- Software Testing
- Project Management

Skills needed:
Experience with web development, Good knowledge of JavaScript, CSS, HTML, MongoDB, ReactJs framework, NodeJs

Streams:
- Computer science
- Electrical and computer engineering
- Engineering management
- DTI
- System Science
Level Of Heat Stress (LOHS)

uOttawa is mapping the sky along city streets in the National Capital region as part of ongoing initiatives related to climate change adaptation. By developing analytic tools which quantify shade corridor characteristics, this research will help reduce heat stress and sunlight exposure for citizens who want to stay active and healthy even as climate change drives a large increase in extreme heat events.

STREAMS:

- Civil Engineering
- Mechanical Engineering
- Environmental Engineering
- Biomedical Engineering
- EECS
- Engineering Management
Transport Canada

SUMMER Co-op /Internship

Student developers to join the Transport Canada Robotics Process Automation (RPA) Centre of Excellence (COE).

During 4 months period, students will work with a supervisor/ mentor to document the current state of a business problem, and to automate the future state solution by leveraging Robotics Process Automation.

Skills Needed:
- Experience with UML Activity diagrams
- SOAP / Rest Web Services
- Programming in JavaScript and application development.

Streams:
- Computer Science
- Computer Engineering
- Electronic Business Technologies or DTI
- Electrical engineering
- Systems science
OPPORTUNITY to work on DATA SCIENCE and RESEARCH BASED PROJECTS:

Students are encouraged to come up with new research ideas. Some ideas for students to work on are:

- Creation of Data Pipelines to make CPS Data easily accessible.
- Voice and Text based Sentiment analysis of keynote speeches, press releases, financial updates from different national banks and their leaders.
- Environmental Impacts of Covid-19 on Economy.

SUMMER PAID INTERNSHIP OPPORTUNITY:

POSITION: Student, DS System Development

The intern will utilize the latest technologies available to design and develop data pipelines, data ingestion and ETL processes that are scalable.

STREAM: Computer Science, Mathematics, Statistics, Computer Engineering or related disciplines.

SKILLS: Proficiency in Python, knowledge of databases, experience with large volume datasets, Knowledge of R and Tableau, Github.
Burning Glass

Students to perform data analysis to extract useful job-related information. Labor Insight™ is used by hundreds of educational institutions, HR departments, and workforce development organizations to support initiatives that align with today’s job market.

SKILLS NEEDED:
SQL, Relational DB (E.G., POSTGRESQL, MYSQL) or NOSQL, Python or JAVA, Schema Design and dimension data modeling, experience with data warehousing, data architecture, Project Management.

FX Innovation: Cloud Computing

Potential Training and Internship/ Full time hiring opportunities

Company Website: https://www.fxinnovation.com/
For more information regarding projects/Opportunities please visit: gespdc.com

Feel free to reach out to us in case of any queries:
Karamvir Singh (ksing108@uottawa.ca)
Roopleen Kaur (rkaur050@uottawa.ca)
Navpreet Kaur (nkaur051@uottawa.ca)

or your respective program coordinators:
https://www.gespdc.com/#/program-coordinators