CRAIG LANGFORD

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Objective

Driven software developer interested in tackling complex problems with a motivated team, where my enthusiastic approach and diverse background will add value.

Technical Proficiencies

- Python (experienced), Javascript, CSS & HTML (proficient), Java (hobby)
- Django, PostgresSQL, jQuery, Git, Docker, CircleCI, JIRA
- Linux operating environments

Experience

Bitstocks
United Kingdom

Full Stack Developer   **November 2016 - Present**

- Developing Bitcoin trading web application in Django to for brokers and clients
- Integrating critical platform features with the blockchain to automate transactions
- Combining jQuery, AJAX and backend APIs for interactive web pages
- Integrated documentation and Continuous Integration into development process

Pebble Games Industry
Canada

Founder   **January 2014 - Present**

- Developed The World of Dots and Balloon Bird in Java, with 30,000+ downloads
- Utilized Git to maintain multiple branches for various promotions and platforms

Western University
Canada

Research Associate   **September 2013 - July 2016**

- Led project to remove lithium-ion battery material's degradation by 100%
- Wrote scripts in MATLAB to automate over 150 hours of data analysis for the team

General Motors
United States

Research Assistant   **May 2014 - August 2014**

- Worked with time sensitive deadlines to improve electric vehicle battery technology
- Used knowledge translation skills to create a battery with a 43% increased longevity

ICMCB
France

Research Assistant   **January 2012 - August 2012**

- Collaborated with three teams to research gas sensing properties of materials
- Developed a new theory to connect fluorescent properties with gas environment

QUT
Australia

Research Assistant   **September 2010 - April 2011**

- Initiated and managed a research project to address the decay of solar cell materials
- Investigation of storage techniques revealed a new method to prevent degradation

Education

MESc | Materials Engineering | Western University, Canada | '13 - '16
Honours BASc | Nanotechnology Engineering | University of Waterloo | '08 - '13

Leadership

President   MME Graduate Society, UWO
Vice-President of External Affairs   Graduate Engineering Society, UWO

Lifestyle

Leisure

- Squash (competitive)
- Golf (mediocre)
- Soccer (terrible)
- Music
- Travel

Personal Development (Readings)

- TDD with Python
- Fluent Python (highly recommend)
- Lightweight Django
- The Linux Command Line

References available upon Request