

# CRAIG LANGFORD

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## Objective

Software developer interested in working on innovative backend projects where testing and continuous integration allow for quickly developed and reliable products.

## Technical Proficiencies

- Python (experienced), Javascript, CSS & HTML (proficient), Java (hobby)
- Django, PostgreSQL, jQuery, Git, Docker, CircleCI, JIRA
- Linux operating and server 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*