Andy Park

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ndpark.github.io

Github.com/ndpark

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Summary of Qualifications

- Programming languages: Python, Java, C++, Arduino
- Web: HTML, CSS, JavaScript
- Tools: IntelliJ Idea, Git, PowerShell, Sublime Text, Adobe Photoshop, Adobe Illustrator
- Knowledge of data structures and algorithms, as well as Human Centred Design principles from relevant courses

Work and Volunteer Experience

IT Intern *MS Society of Canada* – Toronto, ON   Sep 2016 – Dec 2016

- Improved efficiency of spreadsheet processing by over 90% on average by developing a Python script
- Designed and modified online XML forms per specifications discussed with clients within the organization
- Documented and tested Python scripts and the forms to ensure the maintainability and quality
- Researched and resolved any issues related to Office 365 Suite, InfoPath, and SharePoint

Outreach Developer *University of Waterloo* – Waterloo, ON   Jan 2016 – May 2016

- Developed, taught, and troubleshot lessons on Python3.5, and soldering for over 200 participants for events
- Reviewed and implemented engaging, hands-on workshops to promote positive STEM experiences to children

Volunteer *Big Brothers Big Sisters* – Oakville, ON   Sep 2012 – May 2015

- Facilitated educational activities to help newcomer youth integrate into Canadian society based on their abilities
- Awarded Volunteer of the Year for excellent work with children

Projects   **More projects can be found at ndpark.github.io**

Finance Data Processor (Python 3.5) – Toronto, ON   Dec 2016

- Created a script to automate a task of processing excel sheet containing raw data and doing calculations
- Improved time taken for the task from 30 minutes to 1 minute

Page loading time script (Python 3.5) – Toronto, ON   Dec 2016

- Used *openpyxl, Selenium,* and *Requests* to create a script to log the time it takes to load a webpage
- Monitored the downtimes and used Microsoft BI to visualize data for users

Personal Website (HTML, CSS, Bootstrap, JavaScript) – Waterloo, ON   Dec 2016

- Used Bootstrap template to make a personal website while reinforcing web development basics

UI Redesign (Human Centred Design) **–** Waterloo, ON   May – Jun 2016

- Evaluated and redesigned the GRT EasyGO mobile app using human centred design principles
- Used Agile methodology to continually improve the design until all requirements were satisfied

Extracurricular Activities

Shadow Day Director *University of Waterloo* – Waterloo, ON   Jan 2017 - Present

- Responsible for coordinating personalized tours for prospective students over the term
- Revised form automation code to make the process more efficient for the future

Education

Candidate for BASc, Honours Systems Design Engineering *University of Waterloo*   Sep 2015 – Present

- Relevant courses: Digital Computation (C++), Data structures and Algorithms (Java, Python), Digital Systems (Circuits, Arduino), and Human Factors in Design (HCI, Human Centred Design)

Interests

Mentorship. Tae Kwon Do. Wannabe food blogger (check my blog out). Cheesy joke connoisseur.