Siddhant Khanna  
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**CAREER PROFILE**

University graduate with a Bachelor of Science in **Computer Science**. Experienced in Object Oriented Programming (OOP), Test-Driven Software Development (TDD), knowledgeable about algorithms and data structures and Database management. Passionate, self-motivated, self-starter who is always trying to improve and learn from my failures  
**Highlights:**

* Ability to Learn and adapt quickly, **learned 6 different languages** and architectures while simultaneously develop functionality for STEPS application without limiting output.
* Developed strong **verbal and written communication** skills as took the role for leading group discussions, establish requirement and organizing meetings for STEPS and Android Application.

**EDUCATION**

Bachelor of Science, Computer Science (Completed):  
University of Alberta Sept 2015 – Dec 2018  
York University Sept 2014 – April 2015

**TECHNICAL SKILLS**

**Languages:** Python, Java, C / C++, JavaScript, HTML / HTML5, Sass / CSS / CSS3  
**Database:** SQL, sqlite3, MySQL  
**Frameworks:** React.JS / React, Django, Bootstrap  
**Testing:** Selenium, Sinon, Junit  
**Architecture:** Redux / Reflux, RESTful APIs, Node.JS / Node  
**Software:** Github Version Control / Git, Android Studio / Eclipse, Microsoft Visual Studio, MS Office, Cybera - Rapid Access Cloud (Similar to Amazon AWS EC2)  
**Operating Systems:** Linux / Unix, Windows, Mac OS

**RELEVENT EXPERIENCE**

**Space and Culture Research Group/ STEPS Application** Sept 2018 – Dec 2018*Software Developer*Created scalable and responsive web-based application. Implemented **Django** Framework along with **REST API**. Integrated **MySQL** database. Used **HTML**, **CSS**, **JavaScript**, **Node**.**JS**, **React**.**JS** (UI / UX Design) and **flux** architecture. Verified functionality of software by Unit Testing using Sinon. Worked on front end and back end (Full Stack).

* Created agile environment to work in and worked in collaboration with team of 5 members and clients
* Established technical and non-technical requirements and specifications for the product
* Updated client’s knowledge about progress of application and became main point of contact for the client to address their concerns
* Created documentation (user stories, story maps, wireframes)
* (Re)evaluated clients changing needs throughout the project in order to deliver a finished product / project delivery

**Database Management Projects** Jan 2018 – April 2018*Data Scientist*Created algorithms to scrape through website and parse through xml file to create a relational database. Developed programs to retrieve data from database using **SQL** in **python** and **C** to perform calculations. Data management, through creating, updating and inputting values in database. Implemented Triggers for relational Databases

**Android Application** Sept 2017 – Dec 2017*Software Engineer*  
Developed Android Mobile application and collaborate with team of 4 members. Implemented using **Java** and Android Studio. Created functionality for Compressing images. Verified functionality of software by JUnit and Intent testing and created Software Documentation (use cases, software architecture, design architecture)

* Lead group discussions for assessing and assigning tasks
* Established project requirements and specification for creation of product through interacting with client

**HOBBIES AND OTHER EXPERIENCES**

* Creative: Music Production and Drawing / Art; Team Sports: Soccer and Basketball
* Volunteer Sanskriti School Pravah summer of 2013. Lived in a village in India and assisted villagers with their daily tasks
* Best Buy Sales specialist summer of 2014, evaluated and addressed client’s technical needs, advice products based of off their needs and complete financial transactions
* Personal Website created using Bootstrap frameworks, HTML/HTML5, CSS/CSS3 and JavaScript
* Hackerrank projects in spare time for improving and refining problem solving skills, programming skills and analytical skills