RANDY JAMA

UBC Computer Engineering – 3rd Year

github.com/randyjama | linkedin.com/in/randy-jama | 604.379.6757 | randyjama@gmail.com

PROJECTS

Website: www.quantifypcr.com | *Java, JavaScript, HTML, CSS, Spark*
- Built a full stack website to automatically analyze qPCR gene amplification test results from Excel
- Developed a Spark-based backend with a RESTful API
- Frontend was built using HTML, CSS, and vanilla JavaScript
- Project currently in early testing at the Vancouver Prostate Research Centre

Mobile Application: Emplorium | *JavaScript, React Native, Node.js, MongoDB, Mocha & Chai*
- Worked with a group of students to develop an application for users to post and accept jobs
- Aided in developing a RESTful API with backend database to send and retrieve data
- Implemented the GUI styling, routing, backend testing, and wrote all reports

Wireless Locking Mechanism | *C, HTML, CSS*
- Aided in writing the frontend application code to develop a wireless system which allows the owner to view visitors through a webcam and unlock the door

3D Game: Roller Ball | *C#, Unity*
- Built a PC game where the player controls a ball and navigates through obstacles in a 3D arena

Android Application: Grocery Efficiency | *Java, Android Studio*
- Developed an Android application that compares weight-to-cost effectiveness between two items

EDUCATION

B.A.Sc. Computer Engineering (3rd Year) | *University of British Columbia*   **Sept. 2017 – Present**
- Experience with Java, JavaScript, C, C++, HTML, CSS, and Verilog

Engineering Transition Diploma (3.84 GPA) | *Capilano University*   **Sept. 2015 – Apr. 2017**

B.Sc. Health Sciences (3.54 UDGPA) | *Simon Fraser University*   **Sept. 2009 – Apr. 2014**

PROFESSIONAL EXPERIENCE

Research Assistant | *Vancouver Prostate Centre*   **Oct. 2014 – Sept. 2015 | May – Aug. 2016**
- Carried out experiments which included extracting and analyzing RNA and protein from cells
- Published in a high impact paper in Cancer Discovery relating to late stage prostate cancer
- Provided training for newly hired researchers and held a seminar to teach the lab Illustrator CS6

Science & Math Tutor | *PD Plus Tutors*   **Feb. 2015 – Jan. 2017**

Emergency Triage Volunteer | *Royal Columbian Hospital*   **Jun. 2012 – Nov. 2014**