AUSTIN ATMAJA

2A Biomedical Engineering Candidate

✉ atatmaja@uwaterloo.ca
in linkedin.com/in/austinatmaja
⚙ github.com/atatmaja
✆ 647-780-6138

SUMMARY OF QUALIFICATIONS

- **Software:** Client side web (HTML, CSS, JavaScript, knockoutJS) and Android development, OOP (C#, C++, Java), server side web development (Python, MySQL), VCS (git, GitHub, Bitbucket), basic signal processing (MATLAB, R).
- **Engineering design:** 3D modelling and prototyping using CAD software (SolidWorks), thorough understanding of engineering design principles (QFD analysis, fault tree analysis, etc.) and agile development processes.
- **Presentation and leadership skills**: Developed as President of the Association of Aspiring Young Doctors.
- **Design and conduction of safe laboratory procedures:** Developed through higher level Biology and Chemistry coursewc during completion of the International Baccalaureate Diploma Program.

RELEVANT EXPERIENCE

Undergraduate Research Assistant – Wireless Sensor Engineer, University of Waterloo   *09/2017 to Present*
- Currently developing methods to continuously monitor walking speed using wearable devices (Myo band).
- Working part time in conjunction with a full engineering course load.

Software Architect, Next Healthcare Technologies   *05/2017 to 09/2017*
- Involved in development of the Care CDS application, intended for health administrators in the pain management field to streamline data collection and encounters with their patients.
- Improved the UI/UX and designed RESTful APIs that save and retrieve questions in the app's survey designer.
- Collaborated in a scrum development environment and participated in code reviews.
- **Languages and Tools Used:** JavaScript (knockoutJS, DurandalJS, jQuery), HTML, CSS (Bootstrap, SASS), Python (SQLAlchemy), git (Bitbucket), Jira, Jenkins, Linux command line.

Co-President, AYD (Association of Aspiring Young Doctors) Xavier   *07/2015 to 06/2016*
- Organized a conference of 10 speakers and 75+ attendees; raised $200+ for the Canadian Cancer Society
- Led meetings, campaigns and coordinated with the school's administrative team

RELEVANT PROJECTS

PharmaFriend – Hack The North   *09/2017*
- Android application featuring a chatbot that determines whether it is safe for users to take specified medications given their medical history and medications that they are currently taking.
- Developed saving and retrieval of user medical history and current medications using Firebase API.
- Worked with RESTful APIs determine the safety of interactions between given drugs.

DinnerTable – StarterHacks Project   *01/2017*
- A web application to give students and event holders a platform to find and share free food events around campus. Used Firebase API and Google Maps API to develop this application.

U-TURN   *09/2016 to 12/2016*
- Device for arthritis patients enabling the rotation of objects without requiring wrist rotation
- Involved in literature review, design, testing, and analysis of prototypes, and report writing

EDUCATION

B.A.Sc. Candidate in Biomedical Engineering, University of Waterloo – GPA: 3.85/4.00   *2016 - Present*
- **Relevant Courses:** Data Structures and Algorithms, Digital Computation, Introduction to Biomedical Design
- **Clubs:** Data Science Club, Midnight Sun Design Team, Various Intramurals (Soccer, Basketball, Volleyball)