Abid Rahman

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Engineering Co-op Program
University of Alberta

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UNIVERSITY OF ALBERTA ACADEMIC STATUS

- Computer Software Engineering, BSc, 2019   (Cooperative Program)
- Cumulative Grade Point Average   3.6/4.0
- Completed Academic Terms   5/8
- Completed Co-op Work Terms   1/5
- Length of Next Work Term   8 months

EDUCATIONAL ACHIEVEMENTS

- University of Alberta First Class Standing   2015-2016
- Jason Lang Scholarship   2015-2016
- University of Alberta Entrance Scholarship   2014
- Advanced Placement Scholar with Distinction   2014

RELATED WORK EXPERIENCE

Department of National Defence   May 2016 – August 2016
    EMC Test Developer
    Aerospace Engineering Test Establishment
    Cold Lake, AB, Canada.

- Utilize graphical programming methods in the LabVIEW™ environment
- Create robust and thoroughly documented applications drivers for several data acquisition instruments
- Worked extensively with RF power meters, vector signal generators, RF amplifiers, and electric field monitors.
- Combine several instrument drivers to design and create a testing suite for EMC testing

COMPUTER EXPERIENCE AND RECENT PROJECTS

- Proficient in LabVIEW, C++, Java, Python, HTML, CSS, MATLAB
- Experience with Android application development
- Familiar with Windows and Linux based operating systems
- Github: https://github.com/abidrahman

Android Applications

- **Tap Master** - https://github.com/abidrahman/tap-master
  - Simple 2d arcade game designed to test reaction time
  - Programmed in Java using LibGDX (Game development framework)

- **Score Counter** - https://github.com/abidrahman/eupa-score-counter
  - Score keeping app for Ultimate Frisbee
  - Programmed in Java and designed using Android Studio

Coding Competitions and Other Projects

- **Pason Coding Competition – Tank Battle Simulation**
  - Created an AI with the ability to seek out and shoot at enemy tanks within a simulation
  - Programmed in Java and gained familiarity with Amazon Web Services
  - https://github.com/abidrahman/PasonCodingContest - collaborated with Kevin Wang

- **ArDDRuino**
  - Arduino based music game designed and created to test for reaction time in an exciting way
  - Programmed in C++ and developed on the Arduino using an LCD screen, joystick, and buttons
  - https://github.com/abidrahman/ArDDRuino

VOLUNTEER EXPERIENCE

VP External for the Computer Engineering Club   April 2016 – present

- Organize, plan and run events to connect engineering students with industry as part of the Annual ECE WEEK
- Contact and maintain connections with industry representatives on behalf of Computer Engineering Club

Orientation Leader and Volunteer for the University of Alberta Week of Welcome   May 2016 – September 2016

- Led a group of first year university students on a guided tour of campus
- Volunteered throughout Week of Welcome; running ticket sales, photo booths, etc.

Co-op Representative for the Computer Engineering Club   September 2015 – April 2016

- Assisted in planning and organizing of Annual ECE WEEK and Hackathon
- Contacted companies and large organizations for sponsorships and potential tech talk speakers

VP Communications for the First Year Engineering Club   October 2014 – April 2015

- Communicated important events, announcements, and general information to students
- Organized and executed several on-campus events for first-year engineering students

ADDITIONAL INFORMATION

Achievements

- 1st Place at University of Alberta Engineering Competition, Junior Design Category   October 2015
- 1st Place at Pason Coding Competition   January 2016

Other
- Captain of Ultimate Frisbee team   Summer 2015
  - Recruited and organized a team for the Edmonton Ultimate Players Association
- Played four years of competitive baseball   2008 – 2012
- Class 5 (GDL) driver's license with clean driver's abstract
- Completed CSTS training course