Shreyas Devalapurkar

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EDUCATION

Bachelor of Software Engineering Sept. 2014 - Present
University of Victoria
Victoria, BC
Cumulative GPA: 8.0/9.0 (89% Average, A)

TECHNICAL SKILLS

Programming Languages: C++, Java, C, Javascript, Python, Some PHP, HTML, CSS, Assembly
Relevant Software: Eclipse, Some JQuery and Bootstrap, NoSQL Databases, MongoDB, NodeJS, Git, MS Word, Excel, and Powerpoint
Robotics: Arduino, VEX Robotics

RELEVANT COURSES (University of Victoria)

- Algorithms and Data Structures I and II — Mark: 91% and 84%
- Discrete Math: Logic and Foundations — Mark: 95%
- Introduction to Computer Architecture — Mark: 93%
- Software Development Methods — Mark: 86%
- Engineering Design and Communication I and II — Mark: 83% and 87%
- Continuous-Time Signals and Systems — Mark: 94%
- Software Architecture and Design — Mark: 93%
- Human Computer Interaction — Mark: 97%
- Digital Signal Processing I — Mark: 90%

MAJOR HONOURS AND AWARDS

- University of Victoria Excellence Scholarship
- University of Manitoba Queen Elizabeth Entrance Scholarship
- Entrance Scholarships to Dalhousie University, University of British Columbia, University of Ottawa, and Western University
- Nominee for Schulich Leader Scholarship

- Victor and Marie Wyatt Student Scholarship
- James. S. McGoey Summer Student Award for Research
- High School Valedictorian Award
- Most Outstanding Individual Project Award at Manitoba Schools Science Symposium
- Manitoba Chapter Society for Neuroscience Award at Manitoba Schools Science Symposium
- Silver Excellence Award at Canada-Wide Science Fair
- School Champion Medal for Fermat mathematics contest

WORK EXPERIENCE

Summer Student July - August (2013 - 2014)

St. Boniface Research Centre

Dr. Michael Czubryt's Lab

- Worked under a PhD. student performing experiments to assist the lab's research on Cardiac Fibrosis.
- Was a first author on an abstract submission for the American Basic Cardiovascular Sciences meeting for my contributions.
- Mainly focused on cell protein synthesis work using techniques such as western blotting and SDS-PAGE (Gel Electrophoresis).

Violin Teacher 2013 - Current

Private Lessons

- Taught 3 students who had never held a violin before how to play tunes from Preliminary Level RCM (Royal Conservatory of Music) material.
- Currently training 2 students for their Grade 1 RCM examination.

VOLUNTEER EXPERIENCE

Youth Basketball Head Coach December - April (2013 - 2014)

Victor Wyatt School and H.S. Paul School

- Guided a grade 8 boys team of both schools to a 4th place divisional title.
- Taught the boys the fundamental skills of the sport of basketball. Also taught them how to work as a team, communicate with one another, and become leaders on the court.

Assistant Summer (2012 - 2013)

Seine River Retirement Residence and St. Amant Disability Hospital

- Helped seniors and disabled individuals get involved with activities. Also taught seniors how to use computers and social networking services such as Facebook.

PROJECTS/OUTSIDE CODING

- Created a GPA Calculator hybrid mobile application using the Ionic Framework. The application allows you to enter courses with a grade and the credit hours, and calculates your overall GPA.
- Helped create SengGo: a web application for the strategy game Go.
- Helped write the software and create the design for an autonomous robot using VEX Robotics, that could locate and remove an object from a given area.
- Participated in the 2015 Microsoft Coding Competition.
- Identified potential proteins with antioxidant-like properties being synthesized by oxidatively damaged cells in my project: The Effect of Oxidative Stress on Protein Profile of Cells.
- Identified that low molecular weight protein can rescue cells from oxidative damage whereas a high molecular weight fraction elicits further damage to cells exposed to oxidative stress in my project: The Effect of Differential Molecular Weight Protein in Rescue of Oxidative Damage.
- Performed experiments to show that Scleraxis is a major player affecting the production of collagenous cardiac extracellular matrix.

COMPETENCIES

Problem Solving: Lots of experience solving problems and implementing ideas through code. Love the feeling of working through a difficult problem and developing the solution.

Self Motivation/Work Ethic: Have maintained a 89% average after the first two years of engineering, while playing on intramural teams, participating in cultural activities, and maintaining a healthy social life. Have always had an intense focus and work ethic when the situation calls for it.

Teamwork: Was able to quickly become a contributing member of the team at Dr. Michael Czubryt's research lab, and was well liked and respected among the Masters and PhD. students. Excelled in two major engineering design projects (developing an anti-deropement chairlift system and designing/building an autonomous robot).

Communication: Being a violin teacher and coaching two basketball teams taught me how to communicate effectively and efficiently with people of various age groups.

Leadership: Was selected by the teachers and my peers as the Valedictorian to represent my graduating class at my high school's graduation ceremony. I am capable of leading groups and directing them as to how to complete a task. Was also selected to attend the Canadian Student Leadership Conference.

ACTIVITIES AND INTERESTS

- I enjoy playing and teaching violin. I have been playing and learning the violin for over 12 years. I also perform at local events.
- I enjoy playing sports, especially Basketball and Badminton. I used to be a Manitoba SCAC Provincial-Level badminton player.
- I love to travel the world and explore new places.
- I like to spend time thinking about and solving interesting coding problems.

REFERENCES: Available upon request.