SHREYAS DEVALAPURKAR

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EDUCATION

Bachelor of Software Engineering   **Sept. 2014 - Present**

University of Victoria

Cumulative GPA: 8.1/9.0 (90%, Average, A+)

UVic Excellence Scholarship | Member of Golden Key International Honours Society

TECHNICAL SKILLS

Programming Languages
- C
- Java
- JavaScript
- HTML
- CSS
- C++
- Assembly

Libraries and Software Tools
- NodeJS
- Eclipse
- Ionic
- PostgreSQL
- Arduino
- Robot C (VEX Robotics)
- MongoDB

PERSONAL PROJECTS

GPA Calculator: Ionic Framework   **Aug. 2016 - Sept. 2016**
- Created an iOS and Android mobile application
- Allows users to enter courses with a grade and credit hours and calculates the GPA
- Coded all the functionality for the application using JavaScript
- App designed using HTML and CSS, along with frameworks such as AngularJS

Personal Profile Website: HTML, CSS   **Aug. 2016 - Sept. 2016**
- Designed and developed a personal website from scratch to showcase my profile
- Used HTML to develop the static webpage and all its attributes
- Styling for the site was done using CSS: the goal was achieving simplicity in design
- Used FormSpree and very basic PHP/JavaScript to create a contact form

Study on Oxidative Stress in Kidney Cell-Line   **Dec. 2011 - May. 2013**
- Performed experiments in a research lab under the supervision of a mentor
- Developed two projects with innovative findings about oxidative damage in cells
- Discovered a novel therapy in reducing stress in cells induced by oxidative factors
- Represented Manitoba for both projects at the Canada-Wide Science Fair and won a bronze medal (2012) and a silver medal (2013) at the competitions

ACADEMIC PROJECTS

Multi-Flow Task Scheduler: C   **Oct. 2016**
- Constructed a simulator of a router to schedule the transmission of traffic flows
- Learnt and used 3 important constructs within the POSIX pthread library: threads, mutexes, and condition variables (convars)

Process Manager: C   **Sept. 2016**
- Implemented a process manager in C that takes in user input and allows programs to be run in the background
- Learnt and used system calls such as fork(), exec*(), kill(), and wait() to create, run, and terminate processes

SengGO: JavaScript, MongoDB, NodeJS   **May. 2016 - Aug. 2016**
- Team member in the development of a web app version of the Chinese game Go
- Application designed to support hot-seat, AI, and networked gameplay modes
- Main responsibility was in server-side coding and visual design
- Used NodeJS to allow communication between front-end webpage and server
- Used CSS and Bootstrap to create a variety of themes to enhance user experience

WORK EXPERIENCE

Summer Student: St. Boniface Research Centre   **Jul. 2013 - Aug. 2014**
- Performed experiments on protein synthesis, contributing to Dr. Michael Czubryt's lab's research on Cardiac Fibrosis
- Contributions led to a first author on an abstract, and was presented with the James. S. McGoey Summer Student Award

Violin Teacher   **Jun. 2013 - Current**
- Train students for Royal Conservatory of Music violin examinations

VOLUNTEER EXPERIENCE

Youth Basketball Head Coach   **Dec. 2013 - Apr. 2014**
- Taught fundamental skills of basketball to grade 8 students, leading them to a 4th place divisional title: with emphasis on teamwork, communication, and leadership

INTERESTS
- Playing violin and performing at local cultural events
- Playing basketball with friends or competitively through intramural leagues
- Working out
- Travelling and exploring new places