

REY JR P. ITALIA

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EDUCATION

Bachelor of Science, Major in Computer Science

April 2018

- GPA: 3.38
- Concentration in Information Security
- University of Calgary

Awards

- Jason Lang Award for Academic Achievement **2016, 2017**
- Calgary Security Professional Information Exchange Bursary **2016, 2017**

RELEVANT COURSES

- Network Security
- Algorithm Design
- Web-Based Software Systems
- Operating Systems
- Computer Networks
- Computer Viruses and Malware
- Analysis and Design of Large-Scale Software
- Database Management Systems
- Computing Machinery I & II
- Human-Computer Interaction I

TECHNICAL SKILLS

- **Programming Languages:** C++, C, Python, Java, JavaScript, ARM Assembly, SPARC Assembly, x86-64 Assembly, Bash Script and LaTeX
- **Web Development:** MySQL, jQuery, EJS, Node.js, MongoDB, Heroku, Ruby on Rails Framework, HTML, and CSS
- **Operating Systems:** Mac OS, FreeBSD, Ubuntu, Microsoft Windows, and Solaris
- **Tools and Applications:** GNU Project debugger, Microsoft Office, Android Studio, Adobe Lightroom/Photoshop/Dreamweaver, Microsoft Visio 2016, Axure, GitHub, Slack and Trello

ADDITIONAL SKILLS

- **Analytical and Problem-Solving Skills:** Implemented and debugged programs for various projects
- **Teamwork:** Enthusiastically and diligently worked in a variety of group ventures such as web development, programming contests, professional projects, and customer service
- **Self-Motivated:** Eager to meet challenges and quickly assimilate concepts
- **Planning and Prioritization:** Disciplined in the creation and accomplishment of goals developed through urgent and high-pressure school projects and exams
- **Leadership:** Developed programs and activities for the youth week, formed and managed a basketball team and established basketball leagues for the youth
- **Language Proficiency:** Alongside English, fluent in spoken and written Filipino

RELEVANT EXPERIENCE & PROJECTS

- **UXtra:** Assigned as the main back-end developer of a web application that encourages designers of all fields to collaborate with each other and get feedback for their work
- **UVIDA:** Part of a five-member team mentored by an accomplished Software Engineer and acted as the front-end developer of a web application which aimed to help students in their academic studies

- **Nota:** Part of five-member team that developed and implemented a note application following an agile (scrum) software process model
- **Local Coffee Shop:** Acted as the front-end developer of the project's website containing a coffee shop database to store information on employee scheduling, equipment, and inventory for use by employees, as well as a place for customers to track accumulated rewards
- **Fast-Pass:** Part of three-member team that designed and developed a high-fidelity prototype of an application that is more efficient and accessible compared to current amusement park Fast-Pass systems using a user-centered design approach
- **Kernel Space Infector:** Part of a three-member team that designed and implemented an encrypted file infector virus, named as the second most annoying computer virus to disinfect
- **Sugar Rush:** Was the head developer of a team that designed and developed a game for the Raspberry Pi using ARM assembly. The game was awarded best game out of forty-two other entries and was featured at the 2016 and 2015 CPSC Undergraduate Showcase
- **Sisyphus-I (Room Allocation Task):** Part of a three-member team that developed and implemented a set-based search to assign office workers to offices, maximizing the happiness of the workers and convenience of the work environment with considerations to project constraints

WORK EXPERIENCE

Customer Service

Nov 2011 - Jul 2015, Apr 2017 - Nov 2017

Tim Hortons, McDonald's, Mexx & SecondCup

- Provided consistent, individualized guest attention
- Multi-tasked and worked in a dynamic environment

Polishing Technician

Jan 2012 - Dec 2014

Aurum Ceramic Dental Laboratories Company

- Ensured the quality of each product per company's standard
- Performed assigned tasks with minimal supervision

Elected Youth Council Chair

Oct 2010 - Nov 2011

Calaca-an District, Iloilo Province, Philippines

- Presided, called meetings and supervised the affairs and activities of all the members
- Designed and implemented policies, programs and projects to enhance the social, political, economic, cultural, intellectual, moral, spiritual, and physical development of the all members

VOLUNTEER EXPERIENCE

Content Manager

Apr 2018 - Present

Canadian Undergraduate Computer Science Conference

- Helped in the process of designing the event's website and advertisements on social media

Photographer

Nov 2017

Sparring Club

- Assisted the club in their social media presence by composing appealing images

INTERESTS

- **Technology:** Information security, computer systems
- **Photography:** Passionate in exploring new innovations and being up to date with the latest technologies, also passionate in capturing moments to share with others
- **Travel:** An excitement for experiencing and understanding different cultures