

# REY JR P. ITALIA

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## EDUCATION

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### Bachelor of Science, Major in Computer Science

April 2018

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

### Awards

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

## RELEVANT COURSES

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- 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

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- **Programming Languages:** C++, C, Java, ARM Assembly, SPARC Assembly, x86-64 Assembly and LaTeX
- **Web Development:** MySQL, PHP, Ruby on Rails Framework, HTML, Sass and CSS
- **Operating Systems:** Mac OS X, FreeBSD, Linux, Microsoft Windows XP/Vista/7/8/10, and Solaris
- **Tools and Applications:** GNU Project debugger, Microsoft Office 2003/2007/2010/2016, Android Studio, Adobe Lightroom, Adobe Photoshop, Adobe Dreamweaver, Microsoft Visio 2016, Axure, GitHub, Slack and Trello

## ADDITIONAL SKILLS

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- **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 contest and professional projects
- **Self-Starter:** Self-starter, eager to meet challenges and quickly assimilate concepts
- **Planning and Prioritization:** Disciplined and perceptive in the creation and accomplishment of goals developed through urgent and high-pressure school projects and exams
- **Language Proficiency:** Alongside English, fluent in spoken and written Tagalog

## RELEVANT EXPERIENCE & PROJECTS

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- **Sugar Rush:** Was the head developer of a team that designed and developed a game for Raspberry Pi using ARM assembly. The game was awarded best game out of forty-two other entries and was featured at the CPSC Undergraduate Showcase last April 15, 2016
- **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
- **Noto:** Part of five-member team that developed and implemented a note application following agile

(scrum) software process model

- **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 consideration of the constraints
- **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 Fast-Pass systems using user-centered design approach
- **Kernel Space Infector:** Part of a three-member team that designed and implemented an encrypted file infector virus and named as second most annoying computer virus to disinfect

## INTERESTS

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- **Technology:** Information security, computer systems
- **Photography:** Passionate in exploring new innovations and being up to date with the latest technology, also passionate in capturing moments to be shared with others