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# Gabrielle Palado

## Software Engineering Student

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### PERSONAL STATEMENT

I am an undergraduate currently studying Software Engineering at Victoria University and looking for work experience in any areas. My previous working experiences include working as the Music Department Assistant and as a maths tutor at Samuel Marsden Collegiate School, and also as a Physics and Engineering Mathematics Foundations lab demonstrator for first years at Victoria University. I enjoy meeting and working with people on challenging projects and activities.

Upon starting college, I elected to take Digital Technologies after a recommendation from a family friend. I have always enjoyed puzzles and found my love of learning to solve problems with code. Since then I took technology-related options every year. Throughout my degree I hope to gain experience in different fields of software engineering to get a better idea of the positions I would enjoy the best. Upon the completion of my degree I wish to be a part of developing software solutions that help people in all kinds of situations.

### EDUCATION

#### **Victoria University of Wellington, NZ** - *Bachelor of Engineering in Software Engineering*

February 2016 - present

**Expected Graduation Date:** November 2019

#### **Courses Completed:**

##### 2016:

Intro to Computer Program Design (A+)  
Engineering Modelling & Design (A+)  
Engineering Technology (A)  
Intro to Data Structures & Algorithms (B+)

Engineering Math with Logic & Stats (A+)  
Engineering Math Foundations (A+)  
Intro to Physics (A)

##### 2017:

Algorithms & Data Structures (A+)  
Software Engineering Analysis (A-)

Software Development (A)  
Systems Programming (B)

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## Current Courses

Intro to Computer Graphics  
Engineering in Context  
Work Experience Preparation

Software Design  
Software Correctness

## Samuel Marsden Collegiate School Karori, Wellington, NZ

February 2011 - December 2015

### NCEA Level 3

Subjects:

Calculus (Excellence)	Physics (Merit)
Digital Interactive Technology (Merit)	English (Merit)
Music (Excellence)	

## ACADEMIC AWARDS

- 2015 NCEA Level 3 Endorsed with Excellence
- 2016 Victoria Excellence Scholarship
- 2016 Dean's List - Victoria University

## SKILLS

### Technical Skills:

Created web pages and web applications using XAMPP, Javascript, HTML, CSS & MySQL. Programmed and built a Java Virtual Machine NXT Brick lego robot that navigated an arena of colour-coded lines. Worked in groups to program Raspberry Pis in C++ that controlled a robot which navigated lines and a maze, and controlled a SCARA that drew a series of shapes and pictures.

### Good time management:

Successfully balanced school work, sports and music-related activities and commitments.

Performing at a high standard in both academic and extracurricular activities.

### Fast learner:

Learned PHP and completed a Digital Technologies project in 6 weeks. Recruited as a Physics lab demonstrator at Victoria University after one semester of study and then as an Engineering Mathematics lab demonstrator after two semesters of study.

### Able to work independently and/or as part of a team:

Able to follow and complete instructions and tasks efficiently, as the Music Department Assistant at Samuel Marsden Collegiate School. Worked in groups with other first year engineering students to complete an Automated Vehicle Challenge and a Selective Compliance Articulated Robotic Arm project.

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## Teaching:

Experience with teaching first year Physics, NCEA levels 1 & 2 Mathematics, and first year Engineering Mathematics Foundations. Experience with co-leading the Ad Summa Chorale of Samuel Marsden Collegiate School.

## PROJECTS

### **Samuel Marsden Collegiate School Karori, Wellington, NZ** - *Digital Technologies Projects*

February 2013- November 2015

- Produced a website “*Soccer @ Marsden*” to advertise the soccer teams at Samuel Marsden
- Completed a ‘*Follow-the-Line*’ robotics project as part of an internal assessment
- Produced a smartphone web application prototype that allows a user to keep tabs on their finances

### **Victoria University of Wellington, NZ** - *Course Projects*

February 2016 - Present

- Completed an Automated Vehicle Challenge using a Raspberry Pi in which a robot was to follow a line and navigate through a maze
- Completed a SCARA challenge using Raspberry Pi, in which a Selective Compliance Articulated Robotic Arm was programmed to draw shapes and pictures

### **Personal Training** - *Personal Projects*

December 2016 - Present

- Created a simple cipher encryption/decryption program that translates morse, Bacon’s cipher, and Atbash into characters and vice versa

## EXTRACURRICULARS

I play competitive golf regularly and have represented the Wellington district in both junior and women’s teams over the past 7 years. I play the piano and the guitar, and help teach harmonies to my church choir. My extracurricular achievements include:

- Being named the Young Golfer of the Year by the Eagles Golfing Society of Wellington (Incorporated) in 2013 & 2014
- Reaching the quarter final matchplay stage in the 2014 NZ Golf Amateur Championship
- Winning the Wellington Strokeplay and Matchplay Championships in 2015
- Playing as the top ranked member for Manor Park Golf Sanctuary’s Lansdowne interclub team who won the trophy in 2016
- Playing as the top ranked player for Wellington who reached the quarter final stage in the 2016 Women’s Interregionals
- Co-leading the Ad Summa Chorale, being a member of the auditioned choir Altissime, and having the role of Co-Deputy Head of Music at Samuel Marsden Collegiate School Karori in 2015