

# BENJAMIN YU

LOCATION: Auckland, New Zealand  
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## PERSONAL STATEMENT

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An ambitious and motivated final-year engineering student who is a high-achiever in both academics and extracurricular activities. Excellent ability to explain ideas and enjoy being in a team. Hard worker with attention to detail, able to quickly learn new material and adapt to challenging environments. Interested in project management, signal processing and sensor fusion/electronics.

## EDUCATION

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- CURRENT BE(Hons) in ELECTRICAL AND ELECTRONICS ENGINEERING, UNIVERSITY OF AUCKLAND, NZ
- \* Year Level: 4
  - \* GPA from Engineering courses: 9.0 / 9.0
  - \* Research Project: Sensor fusion in GPS-denied firefighting environments
- 2014 HILLCREST HIGH SCHOOL, NZ
- \* Excellence for all levels of NCEA
  - \* Completed MAX Programme at University of Auckland

## WORK EXPERIENCE

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| 2016 - CURRENT   | <b>Teaching assistant</b> at UNIVERSITY OF AUCKLAND, NZ<br><i>University</i> <ul style="list-style-type: none"><li>* Provided academic assistance to 1<sup>st</sup> - 3<sup>rd</sup> year engineering students.</li><li>* Helped with lectures, labs, assignments, exams, and learning strategies.</li><li>* Led and supervised tutorials in CAD, circuit analysis, and electronics.</li></ul>                       |
| SUMMER 2017-2018 | <b>Product R&amp;D Student Engineer</b> at RAKON LIMITED, NZ<br><i>Electronics Manufacturer</i> <ul style="list-style-type: none"><li>* Assisted R&amp;D engineers with the investigation and testing of crystal oscillator products.</li><li>* Developed software simulation tools and gained experience in data analysis.</li><li>* Learned about oscillator engineering, production, and manufacturing.</li></ul> |
| SUMMER 2016-2017 | <b>Engineering Intern</b> at BROAD SOLUTIONS, NZ<br><i>Operations Research Consultancy</i> <ul style="list-style-type: none"><li>* Developed software for forecasting models relating to energy and finance.</li><li>* Assisted with programming, installation of services/applications, and spreadsheet work.</li></ul>   |

## PROFESSIONAL SKILLS

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- LEADERSHIP:
- \* Key strength as a leader is in keeping everyone together.
  - \* Led multiple engineering team projects and achieved outstanding results.
  - \* Sub-leader in a 17-person systems project that produced top marks.
  - \* Coordinated 20+ youths as a youth group leader.
- COOPERATION:
- \* Developed great interpersonal skills through tutoring and teaching.
  - \* Ran events with a student committee for the IEEE student branch.
  - \* Served in a worship band for 6 years.

## TECHNICAL SKILLS

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LANGUAGES: English (fluent) | Chinese (intermediate)  
SOFTWARE: Microsoft Word | Microsoft Excel and VBA | Altium | LTSpice  
PROGRAMMING: C | C++ | Python | Matlab |  $\text{\LaTeX}$

## SCHOLARSHIPS AND AWARDS

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- 2018 | **Nigel Christianson Memorial Prize**  
For meritorious work in electrical and electronic engineering design courses.
- 2017 | **Fisher and Paykel Design Award**  
First place for a smart fan design project  
**Phitek Design Award**  
Runner-up and best sound quality for a wireless headphone design project  
**First in Course Awards x 7**  
For Part III engineering papers  
**Rakon Engineering Scholarship**  
For technical ability, professional leadership and communication qualities.  
**AUEA Ardmore Fund Scholarship**  
For academic achievement, camaraderie, and faculty spirit.
- 2016 | **First in Course Awards x 3**  
For Part II engineering papers  
**Robert Horton Engineering Scholarship**  
For scholastic attainments and financial circumstances.
- 2015 | **City of Sails Kick Start Scholarship**  
For academic merit, excellence in leadership, music and community activities.  
**NCEA Statistics scholarship**  
From NZQA

## INTERESTS AND ACTIVITIES

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- \* Secretary of the IEEE Auckland Student Branch Executive Committee (2017 - Ongoing).
- \* Member of the University of Auckland Badminton Club, SSCC (2016 - Ongoing).
- \* Worship team service at church, playing the guitar, bass and drums (2011 - 2016).
- \* Table-tennis A team in secondary school, attended competitions (2013 - 2015).
- \* Exciting technology, travelling, music and gaming.

## REFERENCES

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References from academics, work colleagues, and/or employers available on request.