

# Christiaan J. Knaup

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## EDUCATION

### **MEng - Systems & Control Engineering - University of Sheffield, UK - Russell Group. Sep 12 - Present**

- 4 year integrated Bachelor & Master Degree, expected date of graduation June 2017.
- 72% Weighted Average, Top 10% of Class - Expected First Class Honours.
- Core Modules: Control Systems Analysis & Design, Discrete Systems, Computer Systems & Applications, Engineering Mechanics, Electric and Electronic circuits, Systems Engineering Mathematics & Data Modelling.
- Commercial Modules: Finance & Law for Engineers, Engineering Economy.
- Extra-curricular online module on Energy by the University of Texas.

### **Non-Graduating Exchange Programme - National University of Singapore, Singapore. Aug 14 - June 15**

- Year Abroad for my third academic year. Embraced cultural differences through immersing myself into Singaporean culture, through interacting with local students in the third year engineering group project. We developed a 3-D gaming system designed to help children with dyspraxia develop their perceptual motor capabilities. This required effective communication and organisation with a broad group of stakeholders to deliver the project to the specified requirements within the deadlines resulting in a first class honours grade.

### **Aloha College, Spain - High School.**

**Sep 09 - June 12**

- International Baccalaureate (IB): 33 points, 457 UCAS Tariff Points.
- 11 IGCSEs: Distinction, including A\* in Mathematics, Dutch, Chemistry and Physics.
- Aloha College Prefect and Basketball Coach.

## WORK EXPERIENCE

### **Systems Engineer Intern at General Electric (GE) Aviation, UK.**

**July 15 - Present**

- I'm working as a Systems Engineer gaining invaluable skills and experiences, through opportunities covering all aspects from the design of systems to testing. My main focus is on analysing requirements, creating a system design or defining a test specification. Giving me the responsibility to deliver on inspiring projects.

### **Research Intern at The Singapore University of Technology & Design (SUTD), Singapore. Jan 15 - March 15**

- SUTD is established in collaboration with MIT. I am currently developing the first and second phase of multi-sensor embedded systems in a multi-national research team. 80,000 of these systems will be deployed in Singapore which will be the largest single deployment in the world of its kind. This will be used by the National Research Foundation of the Singaporean Government for big data analysis into cultural integration.

### **Spring Intern at Aon Plc, Russian Federation.**

**April 14 - April 14**

- Insight into the Russian insurance market through shadowing in 15 departments.
- Attended senior meetings regarding negotiations of freight claims during the 2014 Sochi Winter Olympic Games.
- Highlighted potential clients for Director & Officer in combination with IPO policies in the Russian Federation.
- Evaluated maritime hull claims valued at over £2M.

## PUBLICATIONS

- Christiaan J. Knaup - Decision making and conflict resolution in a distributed environment - Towards a consensus seeking methodology - Sheffield Undergraduate Research Experience, July 2015.
- Vincent Hsu, Yu Tang, Christiaan J. Knaup: A Special Report into the US Presidential Election - University of Sheffield Investment Society, December 2012

## PROFESSIONAL GROUPS

- |   |                  |
|---|------------------|
| ■ The Institute of Engineering and Technology, Student Member.        | Nov 12 - Present |
| ■ NUS Exchange Student Ambassador.                                    | Sep 14 - Present |
| ■ ACSE Department Student Staff Committee, Department Representative. | Oct 13 - June 14 |
| ■ ACSE Department Student Staff Committee, 2nd Year Representative.   | Oct 13 - June 14 |
| ■ ACSE Department Society, Treasurer.                                 | May 13 - June 14 |
| ■ ACSE Department Society, Engineering Ball Committee member.         | Sep 13 - May 14  |
| ■ University of Sheffield Transition Mentor, Mentor.                  | May 13 - June 14 |
| ■ University of Sheffield Investment Society, Market Reporter.        | Oct 12 - Jan 13  |

## LANGUAGES

- |                                     |                      |
|-------------------------------------|----------------------|
| ■ English - CEFR C1.                | ■ Spanish - CEFR B2. |
| ■ Dutch - CEFR B2, Native Language. | ■ German - CEFR A1.  |

## ADDITIONAL INFORMATION

### **Computing.**

- Fluency in MATLAB, Simulink, C, C++, Assembly Language, Lpcpresso, Microsoft Office.
- Basic Knowledge in HTML, CSS, Python, R.

### **Awards.**

- Best Proposal During Second Year Project Week 2014, University of Sheffield.
- Certificate in Skill Building Sessions focusing on Entrepreneurship by the University of Sheffield Enterprise.
- Aloha College Science (2010) & Business (2010 & 2011) student of the year, Aloha College.
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### **Interests.**

- Half Marathons (1-2 annually), Open Water Diver (PADI), Winter sports.