**Zhengtao Cai**

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**EUDCATION**

**THE UNIVERSITY OF EXETER Devon, UK**

College of Engineering, Mathematics and Physical Sciences  **2014.10-2017.06**

**Bachelor of Science in Mathematics**

* CGPA: 3.7

**Courses**

The C family, Advanced Statistical Modeling, Statistical Modeling, Bayesian Statistics, Philosophy and Practice

(and other pure maths modules)

**RESEARCH EXPERIENCE**

**Predictability of quasi-biennial Oscillation 2016.09-2017.01**

- Developed strong teamwork skills through helping each other with the different models.

- Study the quasi-biennial oscillation (QBO) by trying the “Quasi-Binomial generalised linear model (GLM)”, the “Gaussian Process (GP) model” and finally the “Delay-embedding model” and comparing the models.

- Analyzed the effects of QBO in diverse industries via referring to literatures and discussing with the industry experts; looked for scientific principles of the occurrence of QBO.

- Increased the abilities of gathering, processing and analyzing data.

**INTERNSHIP EXPERIENCE**

**SHANGHAI SUNTIME INFORMATION TECHNOLOGY 2016.07-2016.08**

***Member of Product Researching & Developing Department***

* Verified operational information for financial products, including fund managers’ background, corporations’ type and state of operation.
* Assisted the supervisor to compile business reports, and gained composure to how to analyze these data.
* Conducted research on Risk Parity Portfolio by reading related literature and explained the principle of the portfolio to colleagues.

**SKILLS & INTEREST**

Language skills: Native in Chinese; Fluent in English

Programming tools: R, C, C++