

# Xiandong Cai

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Objective: Data Analyst | Software Development Engineer

## SUMMARY

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- 4 years of R&D experience in the top 1 company of the telecommunications industry, having completed 3 large-scale chipset projects;
- 4 years of sales team experience in one of the top 3 companies of the EDA software industry, with keen sense of business, good communication and customer relations skill;
- Quick study and high performance in different fields under both academic and industrial circumstances.

## EDUCATION

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### University of Canterbury

Master of Applied Data Science

Feb 2018 - Mar 2019

Christchurch, New Zealand

- GPA: 7.58/9
- Awards: 2019 Master of Applied Data Science with Distinction

### Huazhong University of Science and Technology

Master of Engineering in Microelectronics and Solid-State Electronics

Sep 2006 - Jun 2008

Wuhan, China

### Wuhan University of Technology

Bachelor of Engineering in Mechatronics

Sep 1998 - Jul 2002

Wuhan, China

## WORK EXPERIENCE

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### Mentor Graphics

Senior Applications Engineer, Key Account Team, Emulation Division

Jun 2012 - Feb 2016

Beijing & Shenzhen

- Providing technical support in Pre-Sales and Post-Sales processes; Delivering emulation technology and products, troubleshooting and removing technical obstacles on customers site.
- By providing high-quality services to customers, emulation solutions revenue increased by 700% to 8 million USD in 4 years and cultivated over ten new clients, promoted emulation technology in major fabless companies and institutes.

### Huawei Technologies

Senior Digital IC Design Engineer, Network Chipset Development Department, Hisilicon

Jun 2008 - May 2012

Shenzhen & Chengdu

- Developing system/block level models of packet-based transport networks (PTN) and optical transport networks (OTN) chipsets; Building and executing verification plans, environments, and tasks to ensure the quality of chipsets.
- Taped out 2 PTN chips and 1 OTN chip successfully with zero functional defect, accelerated the time to market of PTN and OTN products, which now were deployed in many countries serving billions of people.

## KNOWLEDGE & SKILLS

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- **Data Science:** Data manipulation, analytic visualization, data mining and machine learning algorithms, big data, data management, natural language processing, recommendation system;
- **Programming Languages:** Python, R, Julia, SQL, C#;
- **Tools:** Excel, Visual Studio, SQL Server, git, JupyterLab, RStudio, Spark, TensorFlow, Keras, and related Python/R/Julia packages;
- **Others:** Linux, .net, logic design, FPGA, embedded system, EDA tools

## REFEREES

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Dr. Christopher Thomson

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