

# Chuu-Hsiang Hung

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[naturalsmen.github.io/devportfolio](https://naturalsmen.github.io/devportfolio)

## EDUCATION

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### NATIONAL CHIAO TUNG UNIVERSITY (NCTU), Hsinchu, Taiwan

*M.B.A.* Sep. 2014 – June 2018

- GPA: 4.11/4.3
- Thesis: “Tail Risk Estimation Using the Generalized Extreme Value Distribution”
- CS-related coursework:
  - Intro to Computers and Programming A+
  - Discrete Math A-
  - Intro to Computer Network A-
  - Object-Oriented Programming and Data Structures A+
  - Intro to Operating System A-

### NATIONAL CHENG KUNG UNIVERSITY (NCKU), Tainan, Taiwan

*B.B.A. in Statistics* Sep. 2010 – June 2014

- GPA: 3.03/4.0
- Independent Study: “The Influence of MRSA (a skin disease) on Athletes in Various Fields”

## SKILLS

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### Technical Skills

- Programming Languages: C, C++, Java, Python, R, JavaScript
- Version Control Systems: Git, Subversion
- Operating Systems: Ubuntu Linux, Windows, Mac OS
- Web Servers: Tomcat 9.0
- Patterns: MVC
- Frameworks: JEE, Spring Boot, Node.js, Express.js
- Databases: MySQL, PostgreSQL
- Network: Wireshark

### Languages

- Chinese (native), English (TOEFL 95, R27, L22, S20, W26)

## PROFESSIONAL EXPERIENCE

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### TREND MICRO, Taipei City, Taiwan

*Back End Developer; Contract* Oct. 2018 – Present

- Developed RESTful style web services with Node.js and Express.js that reduced auto-testing time by 95%.
- Develop build automation, continuous integration and test environment with Jenkins for Java(Spring) to reduce integration issues and improve code quality.
- Participate in Scrum and Agile processes such as Daily Stand-up meetings, Spring Planning, Refining meetings, Retrospective meeting and Sprint Demo.

### NATIONAL IMMIGRATION AGENCY, New Taipei City, Taiwan

*Alternative Military Service* Sep. 2016 – Sep. 2017

- Checked for illegal workers in factories and escorted them to the immigration center.

## **GOOGLE SUMMER OF CODE, Remote**

*R Developer*

May 2016 – Aug. 2016

- Developed new framework of popular quantitative packages for better use of visualization.
- Wrote documentation for packages.
- Used GitHub for source code versioning.
- Created package vignettes from R Markdown documents.

## **PICK INTERNATIONAL ASSET MANAGEMENT, New Taipei City, Taiwan**

*Data Analyst Intern*

July 2015 – Jan. 2016

- Built parallel computing environment using virtual machines that decreased computing time by 80%.
- Implemented Random Forest algorithm to predict recovery rate of debts.
- Interpreted complex simulation data using statistical methods.
- Developed customer segmentation algorithm for scoring debtors in R to enhance recovery rate.

## **NCTU Institute of Business and Management, Taipei, Taiwan**

*Financial Market Teaching Assistant*

Feb. 2015 – June 2015

- Prepared teaching materials for undergraduate course.
- Tutored students in completing programming assignments especially R assignments; provided sample codes.

## **CATHAY UNITED BANK, Taipei, Taiwan**

*Risk Analyst Intern*

July 2014 – Aug. 2014

- Completed employee training in risk management operation process and pricing models maintenance.
- Developed financial model to calculate RAROC (risk indicator) and performed risk analysis.
- Programmed risk appetite procedure which allocated the credit-extending volume to each department.
- Compiled reports to highlight effects of risk and proposed solutions.
- Analyzed chart patterns based on market trends to gain a better foresight into trading activities

## **EXTRACURRICULAR ACTIVITIES**

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### **NCKU Badminton Team**

- First Place, Annual University Sports Teams Evaluation. June 2013
- First Runner-up, Men's Badminton Team (National Intercollegiate Athletic Games). May 2013

*Art and Advertising Manager*

Feb. 2012 – July 2012

- Designed tournament brackets, posters and souvenirs.
- Collaborated with manufacturer to ensure souvenir quality and style met expectations

*Secretary*

Sep. 2012 – Aug. 2013

- Drafted annual team report to university's student society committee.

### **NCKU Dept. of Statistics Badminton Team**

*Captain*

Sep. 2012 – Aug. 2013

- Designed training schedule.

## **ACHIEVEMENTS**

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- Third Place, Hackathon Contest, NCTU Institute of Business and Management Mar. 2015

## **CERTIFICATIONS**

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- SAS Enterprise Guide, SAS Institute Taiwan May 2015
- FRM Program – Passed FRM Exam Part I, Global Association of Risk Professionals Nov. 2014