

## EMPLOYMENT

**Software Developer, Contract** **Trend Micro Inc.** **Sept 2018 – June 2019**

PC-cillin ([www.trendmicro.com](http://www.trendmicro.com)): Antivirus Plus Security Software

- Developed web application in JavaScript for tracking and visualizing the virus detection progress used by clients using ReactJS, Redux, NodeJS, ExpressJS, Nginx, CI/CD and docker.
- Maintained web application in Java using Spring Boot, Spring Cloud, Hibernate and caching for facilitating transmittal of suspicious files for virus analysis.
- Built RESTful Web Service in JavaScript for boosting end to end and regression test performance using NodeJS and ExpressJS.
- Developed collaboratively in an agile environment with DevOps application pods to deliver the service.
- Assisted in configuration of CI/CD environment using Gitlab CI/CD to automate deploy process.

**Data Analyst, Intern** **PICK International Asset Management CO., LTD.** **July 2015 – Jan 2016**

[www.eamc.com.tw](http://www.eamc.com.tw)

- Developed task assignment web application to increase company-wide efficiency using R, Bash, SQL and JavaScript.
- Designed caching for recently assigned tasks using Redis.

**Data Analyst, Intern** **Cathay United Bank CO., LTD.** **July – Aug 2014**

[www.cathaybk.com.tw](http://www.cathaybk.com.tw)

- Developed web application to interactively show the risk level of different portfolios in real-time by adjusting positions.
- Automated data process flow using R and Bash.

## OPEN SOURCE PROJECTS

**Software Developer** **Google Summer of Code** **April – Aug 2016**

Frameworks for Performance and Risk ([summerofcode.withgoogle.com/archive/2016/projects/5727217287954432/](https://summerofcode.withgoogle.com/archive/2016/projects/5727217287954432/))

- Developed and refactored multiple well-known quantitative frameworks.
- Built responsive web application for showcasing new features.
- Utilized: Git, R, HTML/CSS, JavaScript

## SOFTWARE PROJECTS

**Personal Website:** [naturalsmen.github.io/devportfolio](https://naturalsmen.github.io/devportfolio) (for additional information and projects)

**Robofriends**

- Developed web application for searching robots by name to practice SSH, Performance Optimization, Progressive Web Application, Testing, Security, Docker, JWT, Nginx and AWS.
- Utilized: React.js, Redux, Redis, Caching, Webpack, Chrome Developer Tools, Lighthouse, AWS Lambda

**Stock Backtesting Platform**

- Developed an interactive portfolio performance testing website to allow users to test custom trading strategy using cross-validation and review complete performance report based .
- Utilized: Amazon EC2, R, Shiny, HTML/CSS, JavaScript

## SKILLS

**Software:** (*proficient*): Java, Python, R, JavaScript, Git (*familiar*): Swift, SQL, HTML/CSS

## EDUCATION

**Amherst, MA** **University of Massachusetts Amherst** **Sept 2019 – June 2021 (expected)**

- **Major:** Computer Science, M.S.

**Hsinchu, Taiwan** **National Chiao Tung University** **Sept 2014 – June 2018**

- **Major:** Business Administration, M.B.A. (GPA: 4.11/4.13)
- **Programming Coursework:** Intro. to Computers and Programming, Object-Oriented Programming, Data Structures, Intro. to Operating System, Intro. to Computer Network

**Tainan, Taiwan** **National Cheng Kung University** **Sept 2010 – June 2014**

- **Major:** Statistics, B.A. (GPA: 3.03/4.0)
- **Programming Coursework:** Intro. to Computers, Statistical Software & Drawing, Application of Statistical Software, Practice of Statistical Survey, Statistical Consulting