

# Ran Tao

Bilingual in English and Mandarin

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## EXPERIENCES

### Teaching Assistant for Computer Science: programming in C++ and C language

Washington State University | Pullman, WA

Fall 2017

- Provided training in critical reading, facilitated the process of composing academic forms of writing within various modes and genres, and aided students in computer literacy
- Successfully balanced student work-load with teaching work-load
- Improved student participation in the classroom through integration of creative role-playing exercises and peer review sessions
- Collaborated with a team of faculty at weekly meeting and actively contributed new ideas on teaching
- Conducted interactive discussions on a weekly basis with 20 students and assisting them through question clarification

### Hackathon - A design sprint-like event

Washington State University | Pullman, WA

Fall 2016

- Used a temperature sensor and heater to melt the 3D printer material making it reusable.
- Investigated and studied the details of the temperature sensor
- Asked the professional for structural and material information
- Prepared Actively programs(C) and required sensors and tools

Washington State University | Pullman, WA

Spring 2017

- Used the blinking of the LED light to transmit information by using a self-made encoding.
- Through group discussions, the problem of byte offset was solved by adding check algorithm
- Utilized network database(PostgreSQL) to store data
- Made testing plan for debugging(C)
- Solved problems efficiently by teamwork

## SKILLS

### Software and Programming Language

- C/C++/C# - Microsoft VS / GCC (3 years)
- Java – Eclipse (2 years)
- Python – PyCharm (2 years)
- SML, Racket, Postscript (6 months)
- Linux – Ubuntu/Debian (4 years)
- Database - PostgreSQL (2 year)
- Word, Excel, and PowerPoint (6 years)
- Virtual Machine – VMware
- Version Control – Git (4 years)
- CMS with Database – WordPress
- FTP/Server – FileZilla Server
- .Net Framework with WinForms

### Hardware

- Personal Private Cloud Server running on Raspberry Pi and Arduino with various sensors
- Human-computer interaction Devices (MYO/Leap Motion/The Eye tracking)

## PROJECTS

### A data search application for Yelp.com's business review data.

Spring 2018

- C# GUI Application
- Applied PostgreSQL by pgAdmin 4
- Utilized network to transmit between database and application

## EDUCATION

B.S. in Computer Science | Washington State University | Pullman, WA

Spring 2018  
Cumulative GPA: 3.8