Yang Chen

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OBJECTIVE: **To obtain an intern position in the field of the entry level of Computer Science, Data Analysis, Programming, or Web Development**

EDUCATION

The Pennsylvania State University, University Park, PA   **August 2014 – May 2018**
Bachelor of Science in Computer Science   **Cumulative GPA: 3.42/4.0**

Relevant Courses: Data Structure & Algorithms; Concurrent Scientific Programming; Operating Systems Design & Construction; OOP Programing w/ Web Applications; System Programming w/ C; Numerical Computation w/ MATLAB; Database Management System w/ Web Programming Design; Communication Networks; Google Machine Learning Crash Course w/ TensorFlow API;

AWARDS

- Penn State Greater Allegheny Scholarship   August 2014–December 2015
- Pennsylvania State Academic Scholarship   August 2016-May 2018
- Undergraduate Talented Student Scholarship   August 2016-May 2018
- Russell H. and Sandra R. Herman Trustee Scholarship   August 2016-May 2018

TECHNICAL SKILLS

- **Programming Skills: Python; C; C++;** Java OOP; HTML; CSS; C#; TensorFLow, BeautifulSoup;

- **Database:** Relational Database (MySQL, Apache Derby); Non-relational Database (MongoDB);

- **Work Environment**:   Linux: Ubuntu, CLI, Vim, Spyder3, Bash, GDB, GCC, Git, Octave, OpenMP
                            Windows: CMD, VS Code, NetBeans, VMware, MATLAB, Git, Office
- **Proficient in Chinese** Reading, Listening, and Writing

WORK EXPERIENCE

Teaching Assistant
The Pennsylvania State University, PA
- Applied Statistics in Science   January 2018 - May 2018
- Calculus I & II   August 2015 - December 2015
- Held office hour and study sessions to tutor students and reported weekly to the professor.
- Participated in the in-class workshop to illustrate the key knowledge to students.

RELEVANT PROJECTS

System API for The Basic Device Driver   **August 2017 – December 2017**

- Developed a user-space device driver for an in-memory file system in Linux OS with C language.

Personal Website (http://www.yangchen1995.com)   **January 2017 - Present**

- Built a web page to show my experience online with HTML, CSS and JAVASCRIPT.

User-Space Synchronization and Thread Library   **January 2018 – May 2018**

- Implemented the basic thread library and synchronization library by system calls and atomicity in C.

Lightweight DATABASE Management System in C language   **August 2017 – December 2017**

- Developed a database in C to implement functions such as CREATE, INSERT, UPDATE, DROP, and SELECT.

Magic Show Booking System   **January 2016 – May 2016**

- Designed a graphical user interface of the magic show booking system in JAVA and Derby Database.