Yu Pan

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Objective

Looking for a 2018 summer internship position related to machine learning, computer vision or software engineering from the beginning of June to the end of August.

Education

Sep 2017 - Current	**Carnegie Mellon University** *Pittsburgh, United States* — One semester exchange to School of Computer Science
Sep 2015 - Current	**Jacobs University** *Bremen, Germany* — Bachelor in Computer Science (Graduation year: 2018) — Current GPA: 1.80 on a 1.0 to 5.0 scale

Skills

Fluent in:	C/C++, Python, LaTeX
Intermediate Knowledge:	SML, Ocaml, Scala, Linux, Mathematica, R, OpenCV, OpenGL, Selenium
Basic Knowledge:	SQL, HTML, Matlab, BeautifulSoup, Docker

Work Experience

Sep 2016 - May 2017	**Teaching Assistant** *Jacobs University, Bremen* — Fall 2016: General Computer Science, Mathematical Software Lab — Spring 2017: Secure and Dependable System
Jun 2017 - Aug 2017	**Software Engineer Internship** *Preisenergie, Munich* — Design an automated web-application functional testing schema — Build a CI pipeline to automatically test application before release — Build several web scrappers to pull data from main energy price-comparison websites — Perform clustering analysis to calculate optimal pricing strategy

Projects

Sep 2017 - Current	**C0 compiler** — C0 is a safe subset of C programming language — Use Ocaml with the help of ocamllex and ocamlyacc to write a compiler for C0
Mar 2017 - May 2017	**Hand-written number recognition** — Based on a large dataset with one thousand hand-written numbers from 0 to 9 — Input a randomly choose hand-written number in our dataset, the decision function will tell its prediction of what number it is — Achieve a $2.98\% \pm 0.24\%$ misclassification rate
Sep 2016 - Dec 2016	**Samll projects** — Simulate OpenGL `glBufferData` function — Use OpenCV to perform face recognition on yale-face dataset — Write a simple global illumination model from scratch

Languages

Chinese: Mother Tongue	**English:** Bilingual Fluency	**German:** Basic Knowledge