Yu Pan

Phone: +86 159 5811 9412
Email: pan.yu.97@outlook.com
Github: github.com/ypan0411

Education

Sep 2015 - Jun 2018 | **Jacobs University**
Bremen, Germany
– Bachelor in Computer Science
– GPA: 1.70 on a 1.0 to 5.0 scale

Sep 2017 - Dec 2017 | **Carnegie Mellon University (One semester exchange)**
Pittsburgh, United States
– GPA: 3.80 on a 4.0 to 0.0 scale

Skills

Fluent in:	C/C++, Python, SML
Intermediate Knowledge:	Ocaml, Linux, Git, OpenCV, OpenGL, Selenium, Numpy
Basic Knowledge:	Scala, R, SQL, BeautifulSoup

Work Experience

Sep 2016 - May 2018 | **Teaching Assistant**
Jacobs University, Bremen
– Fall 2016: General Computer Science
– Fall 2016: Mathematical Software Lab
– Spring 2017: Secure and Dependable System
– Spring 2018: Computability and Complexity

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

Projects

Feb 2018 - May 2018 | **Classical Music Generation using Echo-State Network (Bachelor Thesis)**
– Train an echo-state network with Mozart's sonatas.
– Use the trained network to generate "original" sonata piece in Mozart's style.

Sep 2017 - Dec 2017 | **C0 compiler (Project for CMU 15-411)**
– Implement the compiler of C0, a safe subset of C programming language, using Ocaml.
– Apply register allocator and some other optimizations to accelerate the compiler.
– Implement some basic Object-Oriented features on top of C0.

Sep 2016 - May 2017 | **Small projects**
– Implement a hand-written number recognizer using machine learning technique.
– 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