Deric Pang

pderichai@gmail.com

EDUCATION

U. OF WASHINGTON
B.S. in Computer Science
Sept. 2014 - Present | Seattle, WA
Expected Graduation: June 2018
Dean's List — Every Quarter
Cum. GPA: 3.78 / 4.0

ETH ZÜRICH
UW Computer Science &
Engineering Direct Exchange
Sept. 2016 - Present | Switzerland
Taking graduate CS courses

LINKS

Github:// pderichai
LinkedIn:// pderichai

COURSEWORK

GRADUATE
Data Mining
Information Retrieval

UNDERGRADUATE
Software Design & Implementation
Data Structures & Algorithms
Hardware Software Interface
Functional Programming
Computer Graphics + Practicum
(Research Asst. & Teaching Asst 2x)
Unix Tools and Scripting

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Shell • Python • Javascript
OCaml • Matlab • Rails • LATEX
Over 1000 lines:
C • C++ • CSS • PHP • Assembly
Familiar:
AS3 • iOS • Android • MySQL

EXPERIENCE

MARCHEX | Software Engineering/Research Intern
June 2016 - Sept 2016 | Seattle, WA
- Built a speech recognition system using deep learning techniques to transcribe phone calls.
- Trained a neural network based on the Deep Speech 2 architecture.
- Transcribed Australian English with the Kaldi automated speech recognition toolkit.

AMAZON | Software Development Engineering Intern
June 2014 – Sept 2014 | Mountain View, CA
- Developed business critical software in Amazon Payment Services to help validate payment instruments like credit card and bank account numbers.
- Integrated with AWS technologies such as AWS SWF, Lambda, S3, DynamoDB, SQS, and SNS.

PROGRAMMING LANGUAGES AND SOFTWARE ENGINEERING LAB | Undergraduate Researcher
Mar 2015 - Mar 2016 | University of Washington
- Co-advised by René Just and Michael Ernst.
- Built an automated bug finder using patch minimization and delta debugging techniques.
- Co-authored *Evaluating fault localization techniques* – submitted to ICSE 2017.

CSE 331 – SOFTWARE DESIGN AND IMPLEMENTATION
Teaching Assistant
Jan 2016 – Mar 2016 | University of Washington
- Planned and delivered lectures during weekly recitations.
- Graded and provided feedback for weekly programming projects.
- Met weekly with the lecturing professor to discuss teaching, grading, and course progress.

PUBLICATIONS