DERIC PANG

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https://github.com/dericp

SKILLS SUMMARY

- Built a production system which integrated with AWS to validate credit card and bank account numbers.
- Built speech recognition systems using machine learning and language processing techniques.
- Developed an automated bug finder and contributed to multiple research papers in fault localization.

Languages: Java, Python, Shell, JavaScript, Scala, HTML & CSS, PHP, C, C++, Lua
Tech/Tools: AWS, Git, Ant, Gradle, Kaldi, Deep Speech 2, Torch, Apache Storm, AngularJS

EDUCATION

University of Washington, Seattle Sept. 2014 - Present
B.S. in Computer Science (Expected Graduation: June 2018)
Dean's List – Every Quarter
Overall GPA: 3.78/4.00

Swiss Federal Institute of Technology in Zürich (ETH Zürich) Sept. 2016 - Present
University of Washington Computer Science & Engineering Direct Exchange
Taking graduate courses in computer science

EXPERIENCE

Marchex June 2016 - Sept. 2016
Software Engineering/Research Intern *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 Mar. 2016 - June 2016
Software Development Engineering Intern *Seattle, WA*

- 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 Mar. 2015 - Mar. 2016
Undergraduate Researcher *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 Winter 2016
Teaching Assistant *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.