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 — Data Science Option
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.