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 co-authored *Evaluating & improving fault localization techniques*.

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)   Fall 2016
University of Washington Computer Science & Engineering Direct Exchange
Took graduate courses in computer science: Data Mining, Information Retrieval

EXPERIENCE

Programming Languages and Software Engineering Lab   Mar. 2015 – Present
Undergraduate Researcher, advised by Michael Ernst and René Just   *University of Washington*

· Working on the Tellina project to generate bash commands from natural language.
· Built an automated bug finder using patch minimization and delta debugging techniques.
· Co-authored *Evaluating & improving fault localization techniques* — accepted to ICSE 2017.

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.

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.