

DERIC PANG

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EDUCATION

University of Washington, Seattle

Graduating June 2019

Combined B.S./M.S. Program in Computer Science

Paul G. Allen School of Computer Science & Engineering

Overall Undergraduate GPA: 3.79/4.00

Dean's List & Phi Beta Kappa Honor Society

Graduate Coursework: Statistical Methods, Data Mining, Information Retrieval

Senior Coursework: Machine Learning, Natural Language Processing, Data Visualization, Complexity, Algorithms, Graphics, Visual Computing

EXPERIENCE

Unity Technologies

June 2018 – Sept. 2018

Machine Learning Intern

San Francisco, CA

- TODO

NVIDIA

Mar. 2018 – June 2018

Applied Research Intern

Redmond, WA

- Investigated practical approaches to training autonomous robots in simulation.

Noah's Ark — UW Natural Language Processing

Jan. 2018 – Present

Researcher, advised by Noah Smith

University of Washington

- TODO

Alexa Machine Learning — Amazon

June 2017 – Sept. 2017

Software Development Engineering Intern

Seattle, WA

- Worked on Amazon's internal deep learning framework specialized for automatic speech recognition.

- Launched a system to translate Alexa's production acoustic model into other deep learning frameworks.

Programming Languages and Software Engineering Lab

Mar. 2015 – Jan. 2018

Undergraduate Researcher, advised by Michael Ernst, Luke Zettlemoyer, and René Just

University of Washington

- Worked on the Tellina project [1] to generate bash commands from plain English using deep learning.

- Created an automatic bug finder using patch minimization and delta debugging techniques [2].

Marchex

June 2016 – Sept. 2016

Software Engineering/Research Intern

Seattle, WA

- Built an automatic speech recognition system based on the Deep Speech 2 neural network architecture.

Amazon

Mar. 2016 – June 2016

Software Development Engineering Intern

Seattle, WA

- Used AWS SWF, Lambda, S3, DynamoDB, SQS, and SNS to automatically update bank account validation files.

SKILLS SUMMARY

Languages: Python, Java, C, C++, Shell, Scala, HTML & CSS, JavaScript, \LaTeX

Tech/Tools: PyTorch, MXNet, TensorFlow, AWS, D3, Git, Ant, Gradle, Kaldi

PUBLICATIONS

[1] X. V. Lin, C. Wang, **Deric Pang**, K. Vu, L. Zettlemoyer, and M. D. Ernst. Program synthesis from natural language using recurrent neural networks. Technical Report UW-CSE-17-03-01, University of Washington Department of Computer Science and Engineering, Seattle, WA, USA, Mar. 2017.

[2] S. Pearson, J. Campos, R. Just, G. Fraser, R. Abreu, M. D. Ernst, **Deric Pang**, and B. Keller. Evaluating and improving fault localization. In *ICSE 2017, Proceedings of the 39th International Conference on Software Engineering*, Buenos Aires, Argentina, May 2017.