Halden Lin

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Education

University of Washington
B.S. Computer Science
GPA: 3.86
Sept. 2015 - March. 2018

University of Washington
M.S. Computer Science & Engineering
GPA: 3.90
March. 2018 - June. 2019 (exp.)

Skills

Languages: Java, Scala, Typescript/Javascript, Python, HTML, CSS, C, C++, SQL, ASP
Libraries / Frameworks: React, D3
Creative Authoring: Sketch, Illustrator

Experience

Rubrik, Inc. | Software Engineering Intern *(Archival)* *Summer 2018*
Designed and implemented tiered lifecycle management for data backed up to the cloud. Additionally, extended customer UI to enable access to this feature.
Technologies: *Scala, Typescript, Angular*

Google | UX Engineering Intern *(Search)* *Summer 2017*
Full-stack design and development of a web application (chrome extension), including accompanying server and API, hosted on Google infrastructure.
Java, Javascript, HTML, CSS.

Paul G. Allen School | Research Assistant *(Interactive Data Lab)* *2017 - 2018*
Visualization Recommendation Systems (Voyager / CompassQL, Draco) and visualization for Natural Language Processing
Typescript / Javascript, Python, React, Vega-Lite, HTML, CSS.

Paul G. Allen School | Teaching Assistant *(CSE 142, 143, 311, 512)* *2016 - 2018*
Held office hours, grade assignments, and lead tutorials or discussion for Intro to Programming (undergrad), Foundations in Computing (undergrad), and Data Visualization (grad).
Java, Javascript, D3, HTML, CSS.

Paul G. Allen School | Software Developer *(TA Tools)* *2016 - 2018*
Full-stack development of the Intro TA Tools website, used to facilitate operation of CSE 142 and 143 courses.
Java, Coffeescript / Javascript, SQL, HTML, CSS.

Selected Publications

Formalizing Visualization Design Knowledge as Constraints: Actionable and Extensible Models in Draco
Full Paper
🏆 **Best Paper Award**. *To appear at* IEEE InfoVis 2018 *(25.7% acceptance rate)*
Dominik Moritz, Chenglong Wang, Greg L. Nelson, **Halden Lin**, Adam M. Smith, Bill Howe, and Jeffrey Heer
Paper: idl.cs.washington.edu/papers/draco/ Website: uwdata.github.io/draco
Python, Answer Set Programming (ASP), Vega-Lite, React, Typescript, HTML, CSS, Sketch

Visualizing Attention in Sequence-to-Sequence Summarization Models
Poster
To appear at IEEE VAST 2018
Halden Lin, Tongshuang Wu, Kanit Wongsuphasawat, Yejin Choi, and Jeffrey Heer
Paper: haldenl.com/papers/2018-vast-attention.pdf Visualization Tool: haldenl.github.io/attention-visualizer
Python, React, Typescript, HTML, CSS