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
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 (UX and software) and development of a web application (chrome extension), including accompanying server and API, hosted on Google production infrastructure.
Java, Javascript, HTML, CSS.

Paul G. Allen School | Research Assistant *(Interactive Data Lab)* *2017 - 2018*
Visualization Recommendation Systems (Draco, Voyager / CompassQL) 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, graded assignments, and led tutorials and discussion for Introduction to Programming (142 + 143), Discrete Math (311), and Data Visualization (512).
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