

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 (UX and software) 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 Introduction to Programming (undergrad), Discrete Math (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