# **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: <u>idl.cs.washington.edu/papers/draco/</u> Website: <u>uwdata.github.io/draco</u> *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: <a href="haldenl.com/papers/2018-vast-attention.pdf">haldenl.com/papers/2018-vast-attention.pdf</a> Visualization Tool: <a href="haldenl.github.io/attention-visualizer">haldenl.github.io/attention-visualizer</a>

Python, React, Typescript, HTML, CSS