

Adam Carlton

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Experience:

Software Engineering Intern – Nordstrom, Seattle, WA

June 2018 – Aug 2018

Created a diagnostic tool for Windows machines to determine the health of the system.

Consultant - NMS360.com Inc.

March 2018 – Present

As a consultant for NMS360, I created a server in Golang that uses an authentication token to manage access to a downloadable file. Decided upon Golang due to the ease and power of its net/http package. In addition to the server I set up a database and created python scripts to import a csv file's data into the database after running input validation as well as an export script that will take what is in the database and create a new csv file from the data.

Software Engineering Intern – Nordstrom, Seattle, WA

June 2017 – Sept 2017

As an intern at Nordstrom, I learned the basics of Kubernetes, learned and gained proficiency in Golang, increased team productivity, created an open-source self-issued certificate login application for Kubernetes in Golang, learned to deploy and scale my application to Kubernetes using Helm charts, changed existing Kubernetes configuration to use OIDC flags and updated existing Kubernetes rolebindings to use the claims in the JSON Web-Token that my application returns.

Data Analyst - Audience Forensics/Acquired by Rubicon Project NYSE: RUBI, Austin, TX *Aug 2011 – Sept 2016*

My responsibilities as an employee at Audience Forensics included installing malware on computers to see how it interacted with online advertisements, analyze Wireshark .pcap files to see how traffic was interacting with ads, built a list of IP addresses that are part of data centers as these should not be seen or clicked on by ads, and did different types of research on sources of ad fraud e.g., traffic exchanges and how they interact with ads.

Projects:

Scientific Visualization: [Star Exploding visualization](#) *2018*

- C++ program using VTK to visualize a star exploding by using ray-casting and volume rendering

Kubelogin: [Kubelogin](#) *2017*

- Fully functional Golang Server and CLI created during my internship with Nordstrom.
- Submitted as a talk to the Kubernetes conference *Kubecon*.
- Currently being used by Nordstrom for teams to log into Kubernetes

C++ PNM Image Manipulator: [PNM image manipulator](#) *2016*

- Memory leak free C++ application that manipulates a PNM image file and outputs a modified image.

Skills/Achievements:

- Proficient: Golang, Python, Java, C/C++, Git, Mac OSX, Windows
- Hackathons: QuackHack, SiliconHacks, and Digitally Enabled Nordstrom Hackathon

Education:

University of Oregon College of Arts and Sciences

Sept 2014 – June 2018

- Graduated with a B.S. in Computer and Information Science
- UO Summit Scholarship Recipient