

# Sam Little

Recent Graduate from Portland State University seeking Software Development Position

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## EXPERIENCE

### Citifyd – Software Development Intern

December 2021 – July 2022

Citifyd is an online parking application that allows its customers to obtain parking spaces for various events in advance. Responsible for implementation of a computer vision system at the Moda Center in Portland, Oregon. The system required integration between on-site cameras and cloud hosted technology.

- Developed computer vision software for efficient detection of vehicles on edge devices and AWS cloud servers
- Responsible for gathering, defining and securing approval of user requirements
- Researched, beta-tested, documented, and implemented state-of-the-art deep neural network models for tasks including vehicle detection, make, model, color and license plate data
- Proposed, designed, developed and implemented Docker containers into vision system, allowing for automated deployment and configuration on AWS
- Configured vision system to be compatible with multiple types of IP cameras, including IoT devices with onboard NVIDIA Jetson Nano GPUs
- Experience with Agile development lifecycle and ceremonies, including but not limited to sprints, stand-ups, retrospectives and demos

**Skills:** Agile Methodologies · Research · Linux · Requirements Gathering · Computer Vision · Python (Programming Language) · Docker · Amazon Web Services (AWS) · Internet of Things (IoT) · CUDA · Tegra

### Portland State University – Systems Administrator

December 2017 – March 2019

The Client Systems Administration group at Portland State University is responsible for approximately 6,000 Windows and macOS client devices for Portland State University. Responsibilities included packaging, scheduling and automatic deployment of software applications / updates across the full fleet of devices.

- Assisted with development of a bootable Windows PE-based environment for backup / re-image of campus computers
- Developed scripts that automatically collected system reports on underperforming machines
- Gathered user requirements and developed data visualizations that covered hardware status, security events, boot times, etc. to be presented at leadership meetings
- Implemented solution that reduced average login times on thousands of campus computers by 4+ seconds using boot Windows Performance Analyzer (WPA) data
- Developed bots to perform and replace manual processes. This resulted in the reduction of manual hours in packaging applications

**Skills:** SCCM · Jamf · Powershell · Windows · MacOS · Splunk · Microsoft Power BI · Bots · Requirements Gathering · C#

### Portland State University – Desktop Service Technician, Workbench Lead

November 2015 – December 2017

The Desktop Services and Repair department at Portland State University is responsible for client devices in most departments across the university.

- Team lead for 6 technicians responsible for evaluating, repairing, & replacing Windows and macOS computers
- Designed and developed workflows to be leveraged by the department. This included data retrieval from failing drives, virus isolation, and other workflows in Linux
- Designed, developed and documented bash / PowerShell scripts to automate parts of the workflow, including automated overnight data transfers
- Stretched into additional roles and responsibilities as needed across the department, the organizations and users
- Repeatedly received awards and acknowledgement for highest productivity on the team

**Skills:** Rsync · Analysis · Desktop Support · Bash · Mac · Powershell · Windows

### Jet Global Data – Software Development Intern

Summer 2015, 2018, 2019

Jet Global Data is part of the leading financial reporting and EPM provider for Microsoft Dynamics ERP.

- Developed software tools to be leveraged by the system administrators
- Developed tools for data processing, automating workflow, creating frontend visualizations for existing tools
- Developed documentation and created a series of tutorial videos focusing on the product and Power BI for end users and internal staff
- Configured, implemented, and tested the building's network and infrastructure
- Responsible for physical transfer of data center, ensuring data and operations remained intact

**Skills:** Node.js · Data Center Operations · Bash · Powershell · C#

## EDUCATION

### Portland State University – BS, MS Computer Science

2015-2019 BS, 2020-2022 MS Graduate GPA: 3.91

## LANGUAGES

Python · JavaScript · C++ · Java

## SKILLS

Linux · MERN Stack · Docker · AWS · SCCM · Jamf · Active Directory

## SELF STUDY

Modern HTML & CSS From The Beginning · Modern JavaScript From The Beginning · React Front To Back · MERN Stack Front To Back · MERN eCommerce From Scratch · Node.js API Masterclass with Express & MongoDB · Bootstrap 4 From Scratch · 50 Web Projects With Vanilla Javascript · Others