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Tracey Treat

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WORK EXPERIENCE

Software Development Student
Prime Digital Academy

Sept 2022 - Feb 2023
Minneapolis, MN

CSE-IT Operations Student Worker
University of Minnesota, Twin Cities

Apr 2021 - Apr 2022
Minneapolis, MN

- Used Puppet to automate package installations on university Linux workstations.
- Performed firmware, iDRAC, and BIOS updates on university Linux servers.
- Wrote documentation.
- Resolved support tickets from faculty, staff, and students.

PROJECTS

Group Project (TBD)
Group Project for Prime Digital Academy

Feb 2023

Zoomertoon
Solo Project for Prime Digital Academy

Jan 2023

StudyIO
Group Project for CSCI 5115: User Interface Design, Implementation and Evaluation

Apr 2022

- Worked with a group of 5 other students to create a working user interface prototype for a study group app using Android Studio and Java.
- Conducted user research, interviews, and testing throughout the development of the app, and presented our findings.
- Used Marvel App to plan and design a prototype.
- Used Android Studio and Github to create a working prototype.

Sport League Administration Manager (SLAM)
Group Project for CSCI 5801: Software Engineering I

Dec 2021

- Worked with a real client (Municipal Parks and Recreation) and a group of 3 other students to create over 75 pages of documentation including a design document and a software requirements specification using Overleaf, L^AT_EX, and Lucidchart.
- Used Lucidchart to create UML diagrams.

SKILLS

Programming HTML/CSS, JavaScript, jQuery, React, Node.js, Python, Java, Arduino, C, C#, .NET, PostgreSQL, Puppet, Git

Communication English (native), Japanese(beginner), Spanish(beginner)

Other Github, Microsoft Office, Linux (Ubuntu), Artifactory, Grafana, Figma, Marvel App

EDUCATION

Full Stack Software Engineering Certification

Feb 2023

Prime Digital Academy

Training included: Public speaking and presentation practice, professional skill development, diversity, equity, and inclusion, real-world client work

Generals, credits taken towards Art and Computer Science degree

Jan 2019 - May 2022

University of Minnesota, Twin Cities

Main courses: Introduction to Programming (Python), Algorithms and Data Structures (Java), Discrete Mathematics, Machine Architecture and Organization (C, Assembly), Linear Algebra, Advanced Programming Principles (OCaml), User Interface Design (Java, Android Studio), Software Engineering I, 3D Modeling and Digital Fabrication (Art department)

Generals

Sept 2017 - Dec 2018

Normandale Community College

Main courses: C Programming, Calculus

VOLUNTEER EXPERIENCE

Volunteer/Mentor

2015-present

Code Savvy

- Volunteer for the Technovation Girls program.
- Mentor for a Regional Award-winning Technovation team at Falcon Ridge Middle School (Apple Valley, MN).
- Helped mentor at a Minecraft coding camp at The Works museum.

Mentor

2013-present

CoderDojo Twin Cities, Rebecca CoderDojo (Rebecca Code Explorers)

- Mentor for the AppInventor (Team Lead), Scratch, Finch Robots, Arduino, Web groups.
- CoderDojo offers free coding classes for ages 7-17.
- Rebecca Code Explorers (Rebecca CoderDojo) is a CoderDojo specifically for girls.

COMMUNITY INVOLVEMENT

Hack The Gap

May 2016, Jan 2019, Oct 2019

Hackathon for women and non-binary individuals

- Second place winner- web app for chronic pain tracking (Oct 2019).

DevOpsDays MSP

2014-present

Annual DevOps conference in Minneapolis, MN

- Speaker at the 2016 DevOpsDays conference (Ignite talk).
- Staff member at DevOpsDays since 2018.
- Helping with registration, checking vaccination cards, setting up signs.
- Attendee since the first year of the conference (2014).

AWARDS

National Runner Up 2018
NCWIT Aspirations in Computing

State Winner 2016
NCWIT Aspirations in Computing

High School Regional Winner 2015
Technovation Challenge

- Developed a mobile app (AbroadNet) using AppInventor.
- AbroadNet is an app that helps international students get connected with schools in the United States.
- The app was published on the Google Play store.

State Runner Up 2015
NCWIT Aspirations in Computing