

Michael Kennedy

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TECHNICAL SKILLS

General Experience : Data Structures, Algorithms, Databases, Git, JIRA, Trello, Kanban.

Languages : Java, C, C#, Flutter (Dart), Python, JavaScript (VueJS, SailsJS), HTML/CSS, Bash, PowerShell.

Operating Systems: MacOS, Windows, Linux.

EDUCATION

Western Washington University (WWU)

Bachelor of Science in Computer Science, Minor in Communication Studies

Expected December 2021

Bellingham, WA

EXPERIENCE

Viking Union (VU), Western Washington University

Computer Maintenance Technician

June 2019 – December 2021

Bellingham, WA

- Acted as the sole on-site technician providing in-person and remote support during COVID-19 lockdown.
- Deployed software and hardware to machines and offices located throughout the Viking Union.
- Set up a Synology Network Attached Storage (NAS) device to replace the VUs shared network drives.
- Researched, implemented, and deployed a single-application kiosk to the VU information desk using Windows 10, PowerShell, Internet Explorer 11, and local group policy configuration.
- Created a Bash script to gather hardware and software information of iMac computers under the VU's auspice.
- Created Bash scripts to automate the wiping and reformatting of USB drives in the VU's lost and found.

Computer Support Services

Contract Technician

2016 – 2019

Pacific Grove, CA

- Constructed and tested ethernet cables.
- Replaced malfunctioning parts in workstations.
- Created a bash shell script to assist with firewall screening.

Residential Technology Services (ResTek), Western Washington University

Helpdesk Intern

September 2016 - October 2016

Bellingham, WA

- Selected as one of eight interns to provide technical support for new students in the dorms around campus.
- Worked independently to help students register laptop computers and cellphones with the database connected to the WI-FI, program TVs, and troubleshooted technical issues.

PROJECTS

Axe Enhancements – SailsJS, VueJS, Selenium, Python, Deque aXe API

January 2021 – Present

- Led a team of 4 in the development of a full-stack accessibility checking application for Wandke Consulting – an accessibility consulting company in Bellingham, WA.
- Utilized Deque Labs aXe accessibility API and Selenium Webdriver to scan websites for Web Content Accessibility Guideline (WCAG) violations.
- Implemented API routes in Sails.js, and integrated a custom web crawler using the Scrapy Python library.

Web Content Accessibility Guideline (WCAG) Reference CJS – Javascript

July 2021 - Present

- Forked and the NodeJS Package "WCAG Reference" to work as a CommonJS import.
- Updated documentation, added a function to locate and return all WCAG success criterion of a given level (A-AAA).

- Updated the reference web scrapers to include short and long descriptions of WCAG guidelines, using regular expressions to format and remove unwanted characters.
- Utilized Github Actions to automatically deploy to Npmjs.com.

UML Class Editor – Java, XML

August 2021 - Present

- Contributed to the open-source android application UML Class Editor.
- Implemented bug fixes, enhanced UI with accessibility features, upgraded deprecated API.

ReLeave – Flutter, SQLite

January 2021 - March 2021

- Led a team of 4 in the development of a cross-platform mobile application to assist people going through cannabis use disorder recovery.
- Integrated Reddit API using the Dart Reddit API Wrapper (DRAW) to interact with the /r/Leaves subreddit.