

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, Android.

EDUCATION

Western Washington University (WWU)

Bachelor of Science in Computer Science, Minor in Communication Studies

December 2021

Bellingham, WA

EXPERIENCE

Viking Union (VU), Western Washington University

June 2019 – December 2021

Computer Maintenance Technician

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 over 50 offices located throughout the Viking Union.
- Replaced the 3tb shared network drive used by over 200 VU employees with a new 100tb Synology NAS Device.
- Researched, tested, and deployed a single-application kiosk to the VU information desk using Windows 10, PowerShell, Internet Explorer 11, and local group policy configuration.
- Created Bash shell scripts to automate the wiping and reformatting of recovered USB drives in the VUs lost and found.
- Developed and tested Bash shell scripts to gather hardware and software information on the 20 iMac computers under my team's auspice.

Computer Support Services

January 2016 – June 2019

Contract Technician

Pacific Grove, CA

- Constructed and tested ethernet cables.
- Replaced malfunctioning parts in over 20 ThinkPad workstations.

Residential Technology Services (ResTek), Western Washington University

September 2016 - October 2016

Helpdesk Intern

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 over 40 students register laptop computers and cell phones with the campus Wi-Fi database, 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 and test for over 350 Web Content Accessibility Guideline (WCAG) violations.
- Set up API routes in the Sails.js backend and integrated a custom Python web crawler.

Web Content Accessibility Guideline (WCAG) Reference CJS – Javascript

July 2021 - Present

- Forked and modified the NodeJS Package "WCAG Reference" to work as a CommonJS import.
- Created a function to locate and return all WCAG success criterion of a given level (A-AAA).
- Upgraded the WCAG scrapers to include short and long descriptions of WCAG guidelines in the JSON output.

- Utilized Github Actions to deploy updates to Npmjs.com.

UML Class Editor – Java, XML

August 2021 - Present

- Implemented bug fixes, enhanced UI with accessibility features, upgraded deprecated API.
- Added functionality to export the current project to local storage in PDF format.
- Adjusted locations of menu items and added icons to increase usability.

ReLeave – Flutter, SQLite

January 2021 - March 2021

- Conducted research, and interviewed Substance Use Disorder specialists with Sea-Mar Community Health Centers to develop a list of functional requirements.
- 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 over 200,000 users on the /r/Leaves subreddit.