

Michael Kennedy

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TECHNICAL SKILLS

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

Languages : Java, C, C#, Dart, Python, JavaScript, HTML/CSS, Bash, PowerShell.

Frameworks: Flutter, FastAPI, Vue.js, Sails.js.

Operating Systems: MacOS, Windows, Linux, Android.

EDUCATION

Western Washington University (WWU)

Bachelor of Science in Computer Science, Minor in Communication Studies

September 2016 – 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 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 VU's 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.

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 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

- Led a team of 4 in the development of a cross-platform mobile application to assist people going through cannabis use disorder recovery.
- Conducted research, and interviewed Substance Use Disorder specialists with Sea-Mar Community Health Centers to develop a list of functional requirements.
- Integrated Reddit API using the Dart Reddit API Wrapper (DRAW) to interact with over 200,000 users on the /r/Leaves subreddit.