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)   September 2016 – December 2021
Bachelor of Science in Computer Science, Minor in Communication Studies   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 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   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 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.