Abigayle Peterson

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EDUCATION

B.S Computer Science | Western Washington University   *Graduation Date: **June 2024***
- **Involvements:** Association of Computing Machinery (President), Honors College, National Science Foundation CS/Math Scholar (Top 10% of class), Rewriting the Code (Women in STEM org Ambassador), Machine Learning Research Assistant (Co-author)

EXPERIENCE

Bank of America | Software Engineering Intern   **Remote | June 2021 - August 2021**
- Developed and presented to senior engineers an interactive dashboard using **Python, SQL, and Hume** to visualize, scrape and organize financial data from 10k+ bank business reports, reducing analysis time by 20%
- **Returning** Summer 2022 as a Mobile App Developer Intern

Student Technology Center | Fullstack Software Engineer   **Bellingham, WA | September 2020 - Present**
- Simplify web and mobile app programming concepts by designing project-oriented online workshops to **15,000+** college students from scratch.
- Collaborate with a team of 20 by assisting patrons with coding issues in **Java, JavaScript (Node.js), and Python**

Magnify Wellness HQ, Mental Health Org | Principal Software Engineer   **Remote | January 2020 - Present**
- Founded nonprofit called Magnify Wellness to address lack of awareness of available, affordable youth mental health support
- Accelerated revenue by 60% through sponsorships and partnerships with therapists and counseling centers
- Secured **$10,000+** in technology stipends and awards for virtual events, resulting in 200+ attendees globally
- Grew club program *Magnify You Chapters* to **80+** clubs worldwide and distributed free journals to club leaders, increasing awareness of localized wellness support
- Expanded online Slack community to **400+** active members and database of **2000+** mental health resources
- Achieved winning the title of *Top 6 Global Health Innovations* at the *Bay Area Global Health Challenge* with judges and mentors from The Pfizer Foundation, Bill & Melinda Gates Foundation, Microsoft, and Google.org
- Interviewed and featured in magazines *Channel Kindness, Reinvented Magazine, Voyage Dallas, NCWIT,* and more

INDEPENDENT PROJECTS

Mental Health Mobile App (React.js, Expo, Firebase, DialogFlow) | GitHub | App Store Link
- Researched causes of loneliness and depression by interviewing 100+ youth (15-20) over Zoom to design user-oriented product
- Implemented the front and backend to guide youth towards mental health support through in-app features: breathing exercises, games, gratitude journal,
- Acquired 3000+ active app users after publishing to the Apple and GooglePlay store through channeling partnerships with women in STEM and health influencers

Cancer Tumor Detector (Python, Flask, Heroku) | GitHub
- Coded web app with TreeClassifier ML model that classifies images of skin tumors as either benign or malignant with 97% accuracy

Customizable Online IDE (React, Redux, Firebase, Express.js) | GitHub
- Building productivity tool for coders that improves focus and decreases stress through a personalized development environment

SKILLS

Languages and Tools: JavaScript (React.js, React Native, Node.js, Express.js), Python, SQL, PostgreSQL, JSON, C, Git, Vercel, Heroku, Expo, Firebase