

Alicia Keberle

Research Assistant and Full Stack Developer

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Results-driven scientist and developer with expertise in neuroscience research, brain preservation technology, and full-stack web development. Proven track record in scientific research, data analysis, laboratory management, and leading cross-functional development teams. Published researcher with strong technical skills in both wet lab and computational environments.

Core Competencies

TECHNICAL SKILLS: Python, R, JavaScript ES6+, React, Node.js, Express.js, MongoDB, SQL, NoSQL, RESTful APIs, HTML5, CSS3, Git, MERN Stack

LABORATORY & RESEARCH: Data Analysis, Statistical Modeling, GMP Guidelines, Quality Assurance, Protocol Development, Scientific Writing, Peer Review Publication

PROFESSIONAL SKILLS: Research & Development, Laboratory Management, Cross-functional Team Leadership, Project Management, Regulatory Compliance

PROFESSIONAL EXPERIENCE

RESEARCH ASSISTANT

Sparks Brain Preservation · Salem, Oregon

11/2024 – Present

- Co-authored peer-reviewed publications in high-impact scientific journals, including work on legal frameworks for brain preservation and ultrastructural quality assessment
- Conduct advanced data analysis and statistical modeling for research projects using R and Python
- Collaborate with interdisciplinary teams including pathologists, legal scholars, and bioethicists
- Developed and implemented standardized protocols to improve research consistency and efficiency
- Contributed to advanced research initiatives in brain preservation and neuroscience, focusing on tissue preservation quality and ultrastructural analysis

FREELANCE FULL STACK DEVELOPER

Remote · Salem, Oregon

01/2023 – Present

- Spearhead cross-functional development teams for responsive web applications using MERN stack (MongoDB, Express.js, React, Node.js)
- Optimize code performance and conduct debugging for seamless user experiences across devices
- Develop scalable applications utilizing SQL, NoSQL databases, and RESTful APIs
- Create responsive designs with HTML5, CSS3, and JavaScript ES6+
- Implement modern development practices including version control with Git and agile methodologies

LEAD / MANAGER ON DUTY

OG Collective • Salem, Oregon

08/2022 – 12/2022

- Managed daily operations, team leadership, and customer service in high-traffic retail environment
- Ensured compliance with state regulations and maintained accurate inventory management
- Trained staff on product knowledge and standard operating procedures

QUALITY CONTROL TECHNICIAN

Hazelnut Growers of Oregon • I Donald, Oregon

02/2022 – 08/2022

- Managed sample collection, testing, and data analysis for product quality assurance under GMP guidelines
- Conducted monthly audits and environmental testing ensuring production integrity
- Developed new product formulations and implemented process improvements
- Created and maintained detailed documentation including Certificates of Analysis (COAs)

EXTRACTION TECHNICIAN

Chalice Brands LTD • Clackamas, Oregon

06/2021 – 02/2022

- Maintained laboratory equipment and processed analytical data using METRC tracking system
- Prepared solutions and maintained compliance with laboratory safety protocols
- Ensured accurate documentation and chain of custody procedure
- Created standardized protocols and procedures to enhance operational efficiency and maintain quality standards

FORMULATION TECHNICIAN I

Thermo Fisher Scientific • Bend, Oregon

01/2021 – 06/2021

- Maintained laboratory equipment and processed analytical data using METRC tracking system
- Prepared solutions and maintained compliance with laboratory safety protocols
- Ensured accurate documentation and chain of custody procedure

EDUCATION

FULL STACK DEVELOPMENT CERTIFICATION

University of Oregon - EdX Bootcamp • July 2023

BACHELOR OF SCIENCE, MICROBIOLOGY AND CHEMISTRY

Oregon State University • June 2020

ASSOCIATES OF ARTS OREGON TRANSFER DEGREE

Chemeketa Community College • June 2017