

# Michelle Ashley Mann, Software Engineer

Seattle, WA || (561) 632-6885 || michelleashley.mann@gmail.com || linkedin.com/in/michelle-ashley-mann/ || https://michelleashley.dev

## TECHNICAL SKILLS

Python	JavaScript	Assembly Language	Kotlin	HTML	CSS
Git	Figma	React.js	Natural Leader	Google Apps Script	SQL
Vercel	Pycharm	Slack	Evocative Storyteller	Android Studio	Agile Methodology
OpenAI	Google Firebase	Mobile Development	Technical Documentation	Microsoft Power BI	Next.js

## PROJECTS

**CoExpense** [GitHub Repository](#) || *(Android Development: Java, Kotlin)* **August 2023**

- Android mobile application for seamless bill-sharing among roommates developed to accurately calculate individual contributions for expenses including: rent, utilities, and subscription payments across 9 input parameters.

**Headstarter AI Customer Service Bot** [GitHub Repository](#) || *(React, Next.js, Material UI, OpenAI, Vercel)* **August 2024**

- Collaborated in a group of three to develop web application customer service bot aimed at supporting students with imposter syndrome, assisting with broken code, and disrupting negative thought cycles.
- Spearheaded comprehensive UX/UI style guide based on Headstarter AI's own to ensure consistent design and branding.
- Integrated OpenAI's GPT-3.5 API to provide real-time, responsive interactions, enhancing the user experience with dynamic assistance.

**Once: A Storybook Spectacular** [Project Video](#) || *(GrandMA Programming, MIDI, TCP/IP networking, sACN, ArtNet)* **May 2021**

- Time-coded fountain show for a theme park spectacular, showcasing programming expertise and artistic creativity.
- Integrated network systems using ArtNet and OSC for real-time data synchronization across 24 LED fountains, 12 cannons, 5 "flower-style" fountains, and a projection curtain.
- Coordinated all show components (including pyrotechnics, projection mapping, lighting and fountains) to programmed design sequences delivering captivating multi-sensory experience based on executive's deliverables.

## PROFESSIONAL HIGHLIGHTS

- 15-year career in devised Design and Production Management.
- Demonstrated ability to thrive in environments with a high level of ambiguity and diverse partner group including C-Suite Executives and high security / high-profile talent.
- Strong knowledge and understanding of balancing business priorities and the customer experience, with the ability to establish and maintain a high level of customer / client trust, confidence and empathy.

## SELECTED PROFESSIONAL EXPERIENCE

**Headstarter AI Fellow, [Technical Fellow](#)** **July 2024 - September 2024**

- Developed 4, AI-streaming, web apps using HTML, CSS, JavaScript, Next.js, and React, ensuring best coding practices.
- Collaborated in a team-environment of 3 using Git for version control in a collaborative team setting, managing code changes, and ensuring smooth integration of new features through pull requests and code reviews.

**SANCA / Emerald City Trapeze Arts, [Operations Director \(Director of Production\)](#)** **Various 2014 - 2024**

- Managed departmental finances, Standard Operating Procedures (SOPs) and production roadmaps - including budgeting and capital expenditure planning - achieving unprecedented financial accountability, OSHA compliance and operational efficiency.
- Approved venue schedules for internal and external events, efficiently managing an expanding student base of over 8,000 participants and 140 - 180 weekly classes, 20+ classroom spaces and events.

**TWST Events, [Managing Producer](#)** **December 2021 - October 2023**

- Introduced automation protocols using Smart Sheets and Google Apps Script in lieu of standard Excel event master sheets - streamlining processes and achieving a 98% error reduction for event Operators.
- Directed project management efforts and implemented automation protocols for a webcasting application: EagleEye, significantly improving bug tracking and enhancing UX/UI, paralleling software engineering fundamentals.
- Single-handedly responsible for the scheduling and coordination of 300 events, overseeing all technical aspects of webcast production to ensure flawless execution from pre-production through post-production editing for C-suite executives and Wall Street-tradable companies.

**Michelle Ashley Designs, [Lighting Designer / Production Manager](#)** **May 2009 - Present**

- Utilized "intelligent" fixtures, programmable lighting consoles, and complex networking and control systems to craft visually captivating and immersive environments that seamlessly blend technology with artistic vision.
- Demonstrated excellence in collaborating with diverse teams—including production crews, directors, and designers—to transform creative visions into compelling, audience-engaging lighting designs.

## EDUCATION, AFFILIATES, & CERTIFICATES

**Oregon State University, B.S., Major: Computer Science** **August 2021 - In Progress (Jan. 2026 Expected)**

**University of Connecticut, M.A., Major: Theater Design - Lighting Design** **August 2009 - May 2011**

**Florida State University, B.A., Major: Theater** **August 2005 - May 2009**

**Rewriting the Code Member** (Women in Tech)

**CodePath Tech Fellow: CYB101, AND101, TIP102** *(CyberSecurity, Android Development, Technical Interview Prep)*

**Google Project Management Certificate**