

# WALTER LEE

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## SUMMARY OF QUALIFICATIONS

Full-stack software developer with 8+ years experience in research lab management and operations. Proven ability to work both in teams and independently while applying critical thinking skills and prioritization to detail-oriented tasks.

## CORE COMPETENCIES & AREAS OF EXPERTISE

<b>Programming Languages</b>	HTML   CSS   JavaScript   Bootstrap   jQuery   React/ReactJS   NodeJS & Express   MySQL, NoSQL   React Native   C#   Python   Selenium   Django
<b>Databases, Platforms &amp; Programs</b>	Object-Oriented Programming   REST/CRUD   MS SQL Server   Agile/Scrum   Amazon Web Services (AWS)   Heroku   ASP.Net MVC   Adobe Design Suite   Docker
<b>Business Operations &amp; Management</b>	Information Technology   Process Improvement   Quality Assurance   Project Management   Team Development & Training   Communication & Collaboration   Test Driven Development

## PROJECTS

### **GIGFINDER – COVALENCE FINAL PROJECT**

*March 2018*

React Native mobile application (iOS/Android) that connects bands with individual artists. The application uses React Native on the Front End, NodeJS/ExpressJS on the Back End, AWS for cloud data, and MySQL as the relational database.

## EDUCATIONAL QUALIFICATIONS

### **COVALENCE CODING BOOTCAMP | Nashville, TN**

*March 2018*

*Full-Stack Development Certificate*

Curriculum revolved around teaching and instilling a strong software development, programming and design foundation focusing on:

- **Programming Fundamentals** – Loops | Conditionals | Functions
- **Front-End Development** – Web and Mobile Interface Design | Contemporary Frameworks (ReactJS, React Native)
- **Back-End Development** – User Authentication | API Creation | Database Communication
- **Databases** – Storage & Infrastructure | mySQL | Microsoft SQL Server
- **Agile Development** – Software Project Management | Team Communication & Collaboration

### **VANDERBILT UNIVERSITY | Nashville, TN**

*August 2008*

*Bachelor of Science – Neuroscience*

- **Program Overview** – Provided a foundational knowledge base for biology, chemistry, mathematics, physics, neuroscience, psychology, and computer science in order to pursue medical research.
- **Undergraduate Research** – Assisted Dr. David Noelle with his computational neuroscience model of the prefrontal cortex in order to program robots to learn simple motor tasks through a working memory/food reward paradigm.

## WORK EXPERIENCE

### **VANDERBILT UNIVERSITY | Nashville, TN**

*2010 – 2017*

#### **Laboratory Manager – Vanderbilt Brain Institute**

*2016 – 2017*

Main coordinator for International Multisensory Research Forum 2017, a four-day research conference in Nashville. Secured sponsorships valued at over \$25,000, monitored event budget of over \$200,000, and managed day-to-day operations for three separate venues (Vanderbilt University Student Life Center, Country Music Hall of Fame, and Marathon Music Works).

#### **Research Assistant II – Vanderbilt University Medical Center**

*2010 – 2016*

Apprentice responsible for the supervision of day-to-day multisensory research lab operations for [Dr. Mark Wallace](#) & [Dr. Troy Hackett](#) in the Department of Hearing and Speech Sciences & Center for Integrative and Cognitive Neuroscience.

- Maintained [lab website](#) with Adobe Dreamweaver (involved use of HTML, CSS, JavaScript)
- Procured all licenses and handled installation of software (Matlab, E-Prime, Endnote, Tobii) and hardware for research purposes
- Designed and implemented a data collection plan that reliably stored research data on local and cloud servers for data analysis.
- Ensured lab compliance with governmental regulations (i.e. OAWA, USDA, DEA, TN Department of Health, IRB (HIPAA))
- Managed all lab funding operations and purchased and received orders of research equipment and supplies (\$100,000+ per year)
- Provided administrative support for lab and office management such as scheduling meetings, maintaining calendars, managing students, and ensuring effective communication between all parties.