

# HENRY NEAL

SOFTWARE ENGINEER

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## Skills

### Responsive Design

JavascriptES6/5

CSS3/SASS/LESS

HTML5

React/Redux

jQuery

### Technologies

Ruby on Rails

Express

Node

PostgreSQL

Python

Mongo

GraphQL

C

MySQL

React / Redux

Data Structures / Algorithms

System Design

Git / Version Control

Docker

JUCE / DSP

TDD / BDD

Black / White / Grey Box Testing

AWS (S3, Amplify, Lambda, EC2)

Building and Integrating REST APIs

Service-Oriented Architecture

People oriented, empathetic and charismatic developer

Outgoing, adaptive and a quick learner, ready to any task on

Timely, resourceful, compassionate and able to troubleshoot conflicts

Ready to innovate, lead and make an impact with my work

## Projects

### Supp2U

- Built with Rails, React, Hooks, Redux, AWS, Stripe and Auth0
- Full stack testing with rspec and enzyme
- Users can create a business account and upload their photos, hours of operation and have reviews posted to their profile
- Users can create a customer account and review eateries, find new venues to try and upload their photos of their adventures

Aug. 2019 to Sept. 2019

### BookMaps

- Allows users to sign up/in and connect with users in their area to checkout and loan books
- Using OAuth and Passport.js authentication, sign in with Google and Facebook Strategies
- In-app messaging between users
- Worked with a team of 5 engineers for 5 weeks across the entire stack
- Front End tech used: React, Redux, Styled Components
- Back end tech used: Node, Express, OAuth, Custom REST API, 3rd Party APIs including Stripe, PostgreSQL

Mar. 2019 to Apr. 2019

### State Variable Filter Plug-In

- Design a simple GUI with High, Low and Bandpass menu options
- Utilized the DSP Module in JUCE
- Built a single-band EQ in C++ in the JUCE framework to function across multiple operating systems

Jan. 2019

### Lambda Notes

- Take your notes to the next level!
- Single Click Authentication with Github/Passport
- Backend architecture built using Node, Express, MySQL and AWS
- Frontend architecture built using React, Hooks, Conflux, and Styled Components

July 2019

## Education

### Appalachian State University

B.S. Music Industries Studies 2017

Minor in General Business

Concentration in Recording and Production

May 2013 to May 2017

### Lambda School

Computer Science

- Followed agile development and Git work-flow methods, submitting all projects on time as feature complete MVPs.
- Developed applications using HTML, CSS, JavaScript, React, Redux, Node, Express, SQLite3, Python, Django and C.
- 30 weeks of hands on, fast paced, intensive experience shipping, testing, pair programming, and debugging code.
- Performed regular code reviews and worked collaboratively with full stack teams.
- Studied algorithms, data structures, computer architecture and system design.

Nov. 2018 to June 2019

## Employment

### BackLit

Software Developer

Remote - Asheville, NC  
Jan. 2020 to Current

### Lambda School

Team Lead

Remote

Feb. 2019 to Mar. 2020

Fulfilled the role of a team leader for a group of 8 students. Activities included:

- Ensuring daily attendance and participation in the curriculum
- Review of challenges in popular languages & frameworks such as HTML, CSS/LESS, JS, React, etc.
- Provided 1:1 retrospective feedback and code review on a daily basis and planned students progress throughout the week
- Resolved conflicts and personal issues through remote working tools such as Slack & Zoom
- Supported instructors through daily lectures by answering student questions and providing resources for detailed solutions.

### The Orange Peel

Production Intern

Asheville, NC  
Jan. 2018 to Oct. 2019

- Lighting design and rigging

- Stage management

- Audio Engineering (FOH and Monitors)

### The Eagle Room

Audio Engineer

Asheville, NC  
Jan. 2018 to Current

- Tracking, editing, mixing and mastering client sessions

- Infrastructure updates and installations

- Served as an A1 on a local film production series

### Schaefer Center for the Performing Arts

Stage Technician, Audio Engineer

Boone, NC  
Jan. 2014 to May 2017

- Rigging, focusing and striking of lights / spot op experience

- Operating audio and lighting consoles

- Stage managing

- Video/Projector Setup and Playback

### Robert F. Giley Studios

Studio Manager

Boone, NC  
Jan. 2017 to May 2017

- Ran weekly booking sessions and workshops, coordinated outside engineers to teach seminars

- Tracked, edited, mixed and archived client and concert recordings

- Installed, maintained and repaired all areas of studio infrastructure

- Administrative operations

### Top of the Monk

Barback/Prep Cook

Asheville, NC  
Apr. 2018 to Nov. 2018

- Responsible for the daily preparation of syrups, bitters, tinctures and other ingredients

- Crafted cocktails and served customers regularly

- Ensured the safety of patrons and kept bar/social area spotless

- Ran transactions for customers and performed light bookkeeping

## Volunteering

### Center for Honeybee Research - Beekeeper

Asheville, NC

Current

- Manually inspected hives and collected data on weight, temperature, amount of brood/honey, queen presence etc.
- Established a comprehensive laboratory for the analyses of everything affecting the health of bees and their environment.