

# 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	Aug. 2019 to Sept. 2019
<ul style="list-style-type: none"><li>Built with Rails, React, Hooks, Redux, AWS, Stripe and Auth0</li><li>Full stack testing with rspec and enzyme</li><li>Users can create a business account and upload their photos, hours of operation and have reviews posted to their profile</li><li>Users can create a customer account and review eateries, find new venues to try and upload their photos of their adventures</li></ul>	
BookMaps	Mar. 2019 to Apr. 2019
<ul style="list-style-type: none"><li>Allows users to sign up/in and connect with users in their area to checkout and loan books</li><li>Using OAuth and Passport.js authentication, sign in with Google and Facebook Strategies</li><li>In-app messaging between users</li><li>Worked with a team of 5 engineers for 5 weeks across the entire stack</li><li>Front End tech used: React, Redux, Styled Components</li><li>Back end tech used: Node, Express, OAuth, Custom REST API, 3rd Party APIs including Stripe, PostgreSQL</li></ul>	
State Variable Filter Plug-In	Jan. 2019
<ul style="list-style-type: none"><li>Design a simple GUI with High, Low and Bandpass menu options</li><li>Utilized the DSP Module in JUCE</li><li>Built a single-band EQ in C++ in the JUCE framework to function across multiple operating systems</li></ul>	
Lambda Notes	July 2019
<ul style="list-style-type: none"><li>Take your notes to the next level!</li><li>Single Click Authentication with Github/Passport</li><li>Backend architecture built using Node, Express, MySQL and AWS</li><li>Frontend architecture built using React, Hooks, Conflux, and Styled Components</li></ul>	

## 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 <i>Software Developer</i>	Remote - Asheville, NC Jan. 2020 to Current
Lambda School <i>Team Lead</i> Fulfilled the role of a team leader for a group of 8 students. Activities included: <ul style="list-style-type: none"><li>Ensuring daily attendance and participation in the curriculum</li><li>Review of challenges in popular languages &amp; frameworks such as HTML, CSS/LESS, JS, React, etc.</li><li>Provided 1:1 retrospective feedback and code review on a daily basis and planned students progress throughout the week</li><li>Resolved conflicts and personal issues through remote working tools such as Slack &amp; Zoom</li><li>Supported instructors through daily lectures by answering student questions and providing resources for detailed solutions.</li></ul>	Remote Feb. 2019 to Mar. 2020
The Orange Peel <i>Production Intern</i> <ul style="list-style-type: none"><li>Lighting design and rigging</li><li>Stage management</li><li>Audio Engineering (FOH and Monitors)</li></ul>	Asheville, NC Jan. 2018 to Oct. 2019
The Eagle Room <i>Audio Engineer</i> <ul style="list-style-type: none"><li>Tracking, editing, mixing and mastering client sessions</li><li>Infrastructure updates and installations</li><li>Served as an A1 on a local film production series</li></ul>	Asheville, NC Jan. 2018 to Current
Schaefer Center for the Performing Arts <i>Stage Technician, Audio Engineer</i> <ul style="list-style-type: none"><li>Rigging, focusing and striking of lights / spot op experience</li><li>Operating audio and lighting consoles</li><li>Stage managing</li><li>Video/Projector Setup and Playback</li></ul>	Boone, NC Jan. 2014 to May 2017
Robert F. Giley Studios <i>Studio Manager</i> <ul style="list-style-type: none"><li>Ran weekly booking sessions and workshops, coordinated outside engineers to teach seminars</li><li>Tracked, edited, mixed and archived client and concert recordings</li><li>Installed, maintained and repaired all areas of studio infrastructure</li><li>Administrative operations</li></ul>	Boone, NC Jan. 2017 to May 2017
Top of the Monk <i>Barback/Prep Cook</i> <ul style="list-style-type: none"><li>Responsible for the daily preparation of syrups, bitters, tinctures and other ingredients</li><li>Crafted cocktails and served customers regularly</li><li>Ensured the safety of patrons and kept bar/social area spotless</li><li>Ran transactions for customers and performed light bookkeeping</li></ul>	Asheville, NC Apr. 2018 to Nov. 2018

## Volunteering

Center for Honeybee Research · Beekeeper Asheville, NC <ul style="list-style-type: none"><li>Manually inspected hives and collected data on weight, temperature, amount of brood/honey, queen presence etc.</li><li>Established a comprehensive laboratory for the analyses of everything affecting the health of bees and their environment.</li></ul>	Current
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