

# Connor Taffe

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## EXPERIENCE

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### All Electic Supply

*Programmer*

June 2016

*Little Rock, AR*

- Programmed against Google APIs for Google Apps for Buisness on Google App Engine in Go
- Submitted several PRs to xTuple (ERP software)
- Versioned software in Git and maintained repositories in Bitbucket.
- Introduced team to team SaaS solutions like Trello and Slack

### Ensono (formerly Acxiom ITO)

*Entry Applications Developer*

October 2015 - May 2016

*Conway, AR*

- Wrote and maintained software in C# for the .NET platform.
- Developed applications in Node.js, Golang, and Python for AWS Lambda.
- Versioned software in Git and maintained repositories in Bitbucket.
- Participated in Agile training and worked as part of a scrum team.

### UALR EIT IT

*Student Worker*

August - October 2015

*Little Rock, AR*

- Resolved technology related issues for staff and students.
- Tracked issues in ticketing system.
- Installed and Setup Microsoft Windows, including joining to Active Directory domain.

### EIT SUPER, UALR

*SUPER Scholar*

May - August 2015

*Little Rock, AR*

- Summer Undergraduate Program of Entrepreneurship and Research (SUPER).
- Creation of an [Android application](#), written in Scala, to interface with a vehicle's OBD-II system via Bluetooth transmitter.

### Emerging Analytics Center (EAC), UALR

*Software Engineering Intern*

October 2014 - May 2015

*Little Rock, AR*

- Presented at IEEE VR 2015 on the integration of Unity 3D, Qualcomm's Vuforia, and Intel's OpenCV to create interactive Augmented Reality (AR) applications ([presentation](#)).
- Used Unity 3D (scripting with C#) for 3D programming and model manipulation.

### UALR Bioinformatics

*Research Assistant*

August - October 2014

*Little Rock, AR*

- Preliminary work on refactoring a genetic algorithm codebase with an emphasis on common stylistic guidelines and concurrency.

### CentOS Server Wordpress Installation

*Freelance Developer*

August 2014

- Installed Wordpress on a pre-imaged CentOS server.
- Set up a mysql database and edited Wordpress configs.

### [Mesher](#)

*Freelance Developer*

July - August 2014

- Client side stl-editing application built atop THREE.js, a popular WebGL interface.
- Provides a clean interface to many of the common operations done on STL models before 3D printing.

### Future Tek Inc.

*Contract Graphic Designer*

June - August 2012

*Columbus, MS*

- Worked as a contract graphic designer to produce a new catalog, logo, and social media presence.

## EDUCATION

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**University of Arkansas, Little Rock**

June 2018

*B.S. in Computer Science*

- Substantial Completed Courses: Data Structures and Algorithms, Computer Systems and Assembly Language, Calculus II, Operating Systems, Databases, Discrete Math, Computer Organization, Monte Carlo Simulation, Independent study on Compiler Design, Artificial Intelligence, Language Structures.

## PERSONAL PROJECTS

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### Lispy

September - November 2014

- Lisp-like interpreter written in Python
- Producer-consumer threading optimizes stages
- Lazy-evaluation of defined variables
- lambda functions and recursive lambdas
- EBNF formal definition of the language

### utf8 / utf8plus

February 2015 - Present

- utf8 parser written in C, and C++ wrapper.
- RFC 3629 compliant.
- Quick encoding/decoding of runes, rune validation, and string parsing.
- Reports errors within the rune and codepoint (`int32_t`) types using appropriate non-valid values in C.
- Use of the `utf8::rune::exception` class to report errors in C++, or appropriate C++ standard exception.

### bf

November 2014

- Optimizing BrainFuck just-in-time compiler
- Emits `x86_64` instructions to executable `mmap`'d pages
- Producer-Consumer concurrent architecture with a REPL interface

## TECHNICAL STRENGTHS

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### General Programming

Languages: Go, C, C++, Python, JavaScript, Typescript, (X)HTML, CSS,  
Scala, Java, C#, Rust, Php  
Libraries: Android SDK, JQuery, THREE.js, Angular 2, Angular Material,  
Bootstrap  
Tools: Docker, Git, Make, CMake, Gradle  
Databases: MySQL, MS SQL Server, PostgreSQL  
OS: OS X, Linux, Windows