

Connor Taffe

(501) 606-1807 · cpaynetaffe@gmail.com · byteflame.org

EXPERIENCE

All Electic Supply

Programmer

June 2016

Little Rock, AR

- Heavy usage of PostgreSQL SQL, `psql`
- Use of Docker for testing based on production database backup
- Wrote helper programs in Go to send emails and perform regular queries
- Submitted accepted PRs to xTuple (ERP software)

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

University of Arkansas, Little Rock

June 2018

B.S. in Computer Science

- Vice President of the UALR instance of the Association of Computing Machinery; Fall 2016
- Substantial Completed Courses: Calculus I, II; Discrete Math; Linear Algebra. Data Structures and Algorithms, Computer Systems and Assembly Language, Operating Systems, Databases, Computer Organization, Monte Carlo Simulation, Independent study on Compiler Design, Artificial Intelligence, Language Structures, Computer Security.

PERSONAL PROJECTS

[birch](#)

August 2016

- IRC Bot in C
- Lexing/parsing of messages using state machine

[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

- 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

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