

COLIN HIGGINS

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OBJECTIVE

I am a passionate and dedicated individual, interested in learning and growing within a collaborative corporate team culture. An ideal career opportunity will allow me to support, maintain and develop business applications and analytics by expanding an already robust computer science toolset through an entry-level software development position.

EDUCATION

The University of Texas at Austin

May 2018

B.A., Sociology • Minor in Computer Science

Dean's List, Cum Laude Fall 2017

SKILLS

Computer: Python, R, SQL, HTML/CSS, JavaScript, Git, Tableau, Linux, Windows, Microsoft Office Suite, Google G-Suite

Professional: Teamwork, Analytical Writing, Leadership, Agile

PROJECTS

Foreign Terrorist Organization (FTO) Research Project

January 2018

Python/Tableau

- Based on comprehensive self-guided multimedia research via social media, journal articles, and preexisting databases.
- Built profile of two established FTOs (LTTE & rIRA) with respect to health care & social resources.
- Used TensorFlow and OpenCV to automate analysis of satellite imagery within areas of operation.

Austin Airbnb Database

March 2018

SQL/Python/Google Cloud Platform

- Defined a custom entity relationship model for data ingested into Google Cloud Storage.
- Created SQL queries used within Google Data Studio.
- Visualized data to generate insights on Austin rental market to determine whether Airbnb had an effect on housing prices.
- Joined with Zillow data to determine that Airbnb did increase housing prices.

JavaScript Game

October 2017

JavaScript/HTML

- Used JavaScript / HTML to create a web-based game compatible with all browsers.
- Led a Scrum team (Agile) throughout multiple stages of development.
- Tracked the team's progress through Trello in order to meet stringent project deadlines.

Twitter Social Network Analysis

September 2017

Python

- Gathered follower data within the context of uncovering bots using Twitter's Search API.
- Used Python's graph-tool library to visualize a network of over 100,000+ nodes.
- Leveraged Sociology and Computer Science skills to solve a topical problem by contributing to the open source code-base.
- Determined that rudimentary bots have structurally different networks than organic users.

WORK EXPERIENCE

Whole Foods Market Inc., Austin, Texas – Prepared-Foods Team Member

August 2015 – October 2016

Eagle Point Marina, Lewisville, Texas – Dock hand

May 2014 – September 2014

GRADUATE COURSEWORK

Information Science in the Intelligence Community, UT Austin

Fall 2017

- Graduate level coursework within the School of Information.
- Conducted research in practical intersection of Sociology and Intelligence within the context of the US Intelligence Community.

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COMMUNITY INVOLVEMENT

Austin Free-net, Austin, Texas

October 2016 – December 2016

Student Volunteer

- Assisted in the development of rudimentary curriculum in computer literacy for disadvantaged Austin community members.

CoderDojo, Austin, Texas

August 2015 – December 2016

Mentor

- Mentored kids interested in programming, 1 – 2 times per month.
- Taught and assisted mentees in learning Scratch and JavaScript.

AFFILIATIONS

Lambda Alpha Nu, UT Austin – Member/Marketing chair

August 2015 – 2018

Sigma Alpha Epsilon, UT Austin – Member

August 2013 – 2014