

Lexi Cepak

www.lexicepak.com | lexi.cepak@utexas.edu | 512.***.***

EDUCATION

The University of Texas at Austin, Austin, TX
Bachelor of Science in Computer Science

August 2016 – May 2020

AWARDS

Bravo Sapphire Award for Performance

December 2018

Recognition for natural language processing work and assistance with the Optum Analytics Data Workshop build and deployment automation

National Center for Women & Information Technology (NCWIT)

Consecutive 2015 & 2016

Aspirations in Computing Regional Award Winner & National Runner-up

TECHNICAL SKILLS & COURSES

Programming

- Proficient in Java, Spark Scala, Python

Languages

- Experience with C, C++, SQL, Assembly

Mobile App & Web Development

- Website creation and management using WordPress, some HTML and CSS, iOS mobile app development

Relevant Courses

- Principles of Computer Systems (CS 439), Programming Languages, Software Design, iOS Mobile App Development, Theory of Computation

PROJECTS

Natural Language Processing

Summer 2018

• Internship project concerning converting doctor's notes relating to cancer from handwritten to virtual notes and comparing them for all patients in a given dataset to look for patterns in order to improve patient care

Fall 2016

Infernal Cavern Game

• Original game was created with a team to make a game where a character jumps from moving platforms, gaining points while a timer counts down
• Re-programmed as a side project – posted on lexicepak.com using Processing JS and some JavaScript

Chicken Catcher Game

Fall 2015

• Worked with a team to create a game where a character had to go through a maze and catch as many chickens as possible within a time limit

WORK EXPERIENCE

Optum (Prev. Advisory Board) – Senior Software Engineering Specialist

September

- Created queries to run analytics on various healthcare data, translated queries from SQL to Spark Scala in order to improve efficiency of big data processing, tested code to ensure compatibility with build/deployment process, wrote scripts to improve automation.

2018- Present

June 2018

– September

2018

The Advisory Board Company – Software Engineer Intern

- Worked on natural language processing and assisted in automating builds and their deployment through scripting, Bamboo, etc.
- Became familiar with tools such as Spark, JIRA, Git, etc.

UT Center Transportation Research – Undergraduate Research Assistant

August 2017

- Edited transportation research textbook

– September

- Assisted with a research project compiling information on CAVS

2018

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- designed a website to make CAV information easily accessible
- American Robotics Academy** – Robotics Instructor September – December 2017
- Instructed elementary school students on how to build Lego robots and encouraged their passions for technology
 - Acted as a mediator and resolved conflicts
- Austin's Pizza** – Front Counter January – May 2017
- Greeted customers and took orders, served food
 - Cleaned, worked in kitchen, assisted team members
- UT Austin Code Longhorn** – Program Assistant & *First Bytes* – Resident Assistant June 2016
- Assisted high school students who didn't have much coding experience with C++ tutorials
 - Helped campers program robots to draw patterns on paper and to program Arduino boards to flash lights in time to music
 - Led team-building activities, supervised campers, and resolved conflicts

ORGANIZATIONS & VOLUNTEER WORK

- Volunteering – CS Outreach** 2014 – Present
- Designed t-shirts and logos for various CS student orgs such as HACs and ABCs and created promotional materials for </div> day (diversity day) in order to support diversity in CS
 - Hosted annual Hour of Code events at middle and elementary schools, gave presentations and assisted students with coding in Scratch
 - Spoke at local middle school about STEM to encourage girls to take Computer Science in High School
 - Taught middle and upcoming high school students how to code a simple 3D game at a computer science summer camp at North Crowley High School
- Undergraduate Research Journal** – Assistant Communications Director Fall 2016
- Promoted URJ through social media, website, and ads in order to bring attention to interesting STEM topics and new research in the field
- Volunteering – General** 2014 – Present
- Over 400 hours of volunteer work at various locations including the Crowley House of Hope, the Tarrant Area Food Bank, and the Turkey Trot
 - Created and maintained a club website and monthly newsletter to promote community service events, helped choose spotlight community service events and orchestrated volunteer activities through Key Club
 - Volunteered through work program for the Ronald McDonald House of Hope and Sharing Happy Birthdays