

COLLIN JONES

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EDUCATION

Loyola University Chicago

Expected Graduation: May 2021

Trustee Scholarship 2017 – Present, Current GPA: 3.77

Bachelor of Science in Computer Science, Minor in Computer Crime and Forensics

Carl Sandburg High School, Orland Park, IL

Graduation: 2017

High School Diploma, GPA: 3.74

TECHNICAL SKILLS

- Programming skills: Git, Java, JavaScript, Scala, Rust, Python, Visual Basic for Applications
- Proficient in using the command line and shell scripting
- Proficient with data structures and algorithms
- Web Development: HTML, CSS, nginx, certbot
- Development using Databases (Firebase)
- Restful APIs
- Unit testing using Junit and ScalaTest
- Agile Development methodology
- Object-oriented programming and functional programming paradigms
- Operating systems: Linux (Arch, Gentoo, Debian), Mac os, Windows
- Research skills by using peer reviewed literature
- Maintaining CRM software and blockchain technology (intermediate)
- Development of software for microcontrollers (Arduino)
- Understanding of network security and computer forensics
- Forensics Skills: Parsing of MBR, NTFS, FAT file systems, report writing, investigative skills, internet history of Chrome and Firefox, examination of emails with outlook pst files
- Forensics Tools: Encase6, RegRipper, Pestudio, ESEdatabase, F-Response, Scalpel
- Microsoft: Outlook, Excel, Macros

PROFESSIONAL EXPERIENCE

Munchtime Chicago, IL

August 2020-December 2020

Software Engineer Internship

- Collaborative development with daily meetings
- Development of RESTful APIs
- Designed and Developed website portal and dashboard. Both front end and back end.
- Development and usage of Firebase along with cloud functions.

ELG Metals Chicago, IL

May 2019 – August 2019

Programmer and System Analyst Internship

- Programmed macros to process data from Niton x-ray guns into an easy-to-read format in Excel
- Helped develop functionality and maintain data in Insightly, the CRM Chicago and other branches used
- Programmed macros and scripts to assist in transferring customer and contact information from FileMaker Pro to Insightly
- Implemented user requested features from coworkers to the CRM
- Assisted IT in troubleshooting network and coworker hardware issues

Centennial Park Aquatic Center *Orland Park, IL*

May 2016 – August 2018

Lifeguard

- Monitored waters for patrons that were in distress and would respond efficiently
- Rigorous training that consisted of drills for CPR, AR, spinal injuries, and first aid
- Worked with teams to administer aid to patrons in distress
- Audited by Star Fish Aquatics

AWARDS & CERTIFICATIONS

- FBI Chicago Citizens Academy for Students Diploma: 2019
- Dean's list recipient: 2018 – Present
- Trustee Scholarship: 2017 – Present
- Starfish Aquatics CPR certification: 2016 – 2018

PROJECTS

Arbitrage Cryptocurrency

- a program that calculates arbitrages in select cryptocurrency pairs and views the most profitable ones to the user
- Used Python, HTML, Flask, Firebase, CCXT library, and networkx library
- Collaborated with team members using pair programming and worked on both front end and back end

Arbitrage Cryptocurrency

- Collaborated with team members and lead meetings with two-week sprint cycles
- This app takes in a file of people, children, and relationships and creates a family tree out of it.
- Build with Maven, Java, jGrapht library
- Features: Import and export files (text and csv), search graph by first name, last name, or both, add person, display graph
- Firebase functionality with user profiles in development

EXTRACURRICULAR ACTIVITIES

Loyola Nutritional Outreach *Chicago, IL*

January 2020 – Present

Co-founder, Board Member, Chief Information Officer

- Authorize statistical nutritional studies on the community of Chicago and Loyola area

- Collect data to understand the nutritional standing of the community and the food system in general
- Development of club website

Inspired Youth *Chicago, IL*

September 2019 – December 2019

Volunteer Tutor

- Tutoring students ranging from grades 4th – 8th in STEM-related topics

Loyola Programming Team *Chicago, IL*

August 2018 – December 2018

Team Member

- Collaborated with team members on programming problems in preparation for competition held at the end of the semester

Annual Illinois Sepsis Challenge 5k Fun Run *Orland Park, IL*

July 2013 – July 2016

Volunteer

- Served the community by setting up equipment
- Helped raise awareness for the disease by passing out fliers and posters throughout neighborhoods

Carl Sandburg High School Men's Swim and Dive Team *Orland Park, IL*

August 2013 – November 2015

Student Athlete

- Swam junior varsity and varsity
- Played junior varsity water polo
- Facilitated sportsmanship and support to team