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# KION L. SMITH

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## OBJECTIVE

Computer science student seeking an internship in the field of software development or cybersecurity. Current college junior with knowledge in various programming languages and an excellent work ethic, with a strong desire to develop my problem solving and professional skills.

## SKILLS

### LANGUAGES

- Java
- C/C++
- HTML
- CSS
- JavaScript
- Python
- Shell Scripts

### ENVIRONMENTS

- Windows
- macOS
- Ubuntu

### GRAPH ALGORITHMS

- Dijkstra
- Bellman-Ford

### DATA STRUCTURES

- Binary Heap
- B-Trees
- AVL Trees
- Red Black Trees
- Splay Trees
- Priority Queues
- Dictionaries

## EDUCATION

UNIVERSITY OF TEXAS AT DALLAS – BS COMPUTER SCIENCE

AUG 2017 – MAY 2020

THE WOODLANDS HIGH SCHOOL

GRADUATED 2016

## PROJECTS

### WEBSITE

- Created a personal website to host web projects and my resume
- Main pages implemented with HTML and CSS
- Utilized JavaScript for website prompts and a Pong game

### TETRIS CLONE

- Recreated a Tetris game in C++ utilizing WinAPI
- Implemented a text-based renderer
- Utilized Threads, Vectors and WinAPI data types to handle the game loop logic

### ADVANCED CALCULATOR

- Created my own version of the windows-based calculator program in Java
- Implemented a postfix notation with Queues to gather and process user input

### TODO CALENDAR

- Created a desktop calendar application in Java that stores and reads user data
- Implemented GUI using JavaFX library utilizing fxml and CSS to design windows
- Stored user settings using Preference library and stored user dates with my own file format

### SNAKE CLONE

- Created my own version of the classic game Snake in Java,
- Used BufferedImage, Thread, and KeyListener libraries

### CHATBOT

- Created an IRC bot with GUI interface that handles API calls for weather and news outlets
- Made in Java utilizing Sockets and Swing libraries
- Used PircBot (IRC Bot) and GSON (Googles JSON parser) APIs

## COMMUNITY SERVICE

HOUSTON FOOD PANTRY

NOV 2017

LOCAL POLICE POSTER

MAY 2016

KINGDOM BUILDER VOLUNTEER

AUG 2014 – MAY 2016