

Joshua Kim

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EDUCATION

University of Florida

*Bachelor of Arts, Major in Computer Science/Minor in Math
College of Liberal Arts and Sciences*

Gainesville, Florida

August 2020-May 2024

Cumulative GPA: 3.84/4.00

Relevant Coursework

- ❑ Intro to Software Engineering, Algorithm Abstraction & Design, Info and Database Systems, Data Structures & Algorithms, Operating Systems, Programming Language Concepts, Intro to Machine Learning

EXPERIENCE

Software Engineering Intern

May 2023-August 2023

Infotech

- ❑ Implemented the ability to filter documents on export error, migrated over 7 million contract descriptions to display rich text, and updated the test suite to the DocExpress full stack product
- ❑ Collaborated with the Signet backend team to add metadata to contracts and resolve production errors that impacted the State Department of Transportation
- ❑ Followed the agile methodology for the product life cycle for multiple products, including overseeing grooming sessions and scrum meetings

Teachers Assistant

January 2023-May 2023

University of Florida Algorithm Abstraction and Design

- ❑ Designed and lectured a lesson plan to review algorithm design concepts during classes before exams to over 100 students
- ❑ Constructed a rubric for algorithm design questions and graded 300+ free response answers based on accuracy, time complexity, and space complexity
- ❑ Worked with the professor to create new algorithm test questions and projects

Data Analyst Internship

July 2017-August 2017

Florida International University

- ❑ Utilized R to analyze gene data sets for certain genome expressions
- ❑ Set up a virtual machine to execute code in R

PROJECTS

Members Only - Ruby, Ruby on Rails, PostgreSQL, HTML

June 2023-July 2023

- ❑ Implemented a model, view, controller architecture to create a web application where users can join clubhouses and create/read posts in clubhouses they belong to
- ❑ Integrated authentication and authorization using libraries CanCanCan and Devise
- ❑ Utilized ActiveRecord with PostgreSQL to store and manage database relations between users, clubhouses, and posts

Counter Generator - C++

March 2023-April 2023

- ❑ Coded the brute force solution along with the student's solution to a dynamic programming problem
- ❑ Generated random test case examples that demonstrated that the intended and student solution produce different results

EdMedley - Python, Pygame, Jira, CircleCI

February 2022-May 2022

- ❑ Programmed an interactable game in python using the pygame library to create visual assets
- ❑ Utilized save files with Json to keep track of high scores
- ❑ Wrote unit-test cases and integrated automatic testing with CircleCI through GitHub actions

TECHNICAL SKILLS

Languages: C#/C++, Python, Java, SQL, JavaScript, Ruby, Ruby on Rails

Frameworks: Agile software development, Jira, Git, Docker, RESTful API Design, Test Driven Development