RobertZhang

Software Programmer

contact

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coursework

Concurrent Java Programming
Principles of Operating Systems
Virtual Reality Projects
Algorithms
Data Structures
Database Management
Compiler Construction
Programming Languages
Intermediate Software Design
Computer Organization
Discrete Structures
Digital Logic
Probability and Statistics

programming

Java, C++, AngularJS
JavaScript, HTML5, CSS3
Python, SQL, Matlab
Assembly

education

2015→2019	**M.S.** and **B.S.** in Computer Science , **B.S.** in Mathematics	Nashville, Tennessee

Vanderbilt University
Cumulative GPA: 3.83 / 4.00, Dean's List (All Semesters)
President of the Vanderbilt Badminton Club

experience

2017→Now   Vanderbilt Computational Memory Lab   Nashville, Tennessee
Software Programmer
- Implemented Markov chain Monte Carlo parameter recovery algorithm
- Designed and developed script to recover parameters from particle swarm optimization algorithm

2016→2017   Vanderbilt French Department   Nashville, Tennessee
Software Programmer
- Designing linguistic analysis software to analyze stylistic differences between two texts
- Developed and launched a webapp for historians to study Medieval era manuscripts

2016→2017   Vanderbilt MED Lab   Nashville, Tennessee
Software Programmer
- Developed software to perform CT scan image segmentation
- Implemented C++ interface to transfer data from robotic surgical system to propriety organ visualization software

2015→2016   Eastside Education   Bellevue, Washington
Programming Teacher
- Developed curriculum to spark creativity and challenge students
- Mentored students in Java-based game and application development

projects

2017→Now   Lyric Recognition Webapp
Leveraging Spotify Web API in AngularJS to recognize user inputted lyrics

2017→Now   News Article Sentiment Analysis Webapp
Integrating NYT API with NLTK to determine sentiment of an article

awards

2013   5th/100   Seattle, Washington
University of Washington Computing Contest

2011   1st/100   Redmond, Washington
DigiPen Video Game Programming Competition