

Robert Zhang

Software Engineering Intern

contact

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links

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coursework

Database Management
Compiler Construction
Programming Languages
Intermediate Software Design
Computer Organization
Data Structures
Discrete Structures
Digital Logic

languages

English mother tongue
French & Chinese fluency

programming

Java
C++
HTML
CSS
JavaScript
AngularJS
Python
SQL
Matlab
Assembly

education

aug. '15→may '19 **M.S. and B.S. in Computer Science**

Nashville, Tennessee

Vanderbilt University

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

experience

may '17→present **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

aug. '16→present **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

dec. '16→jun. '17 **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

may '15→aug. '16 **Eastside Education**

Bellevue, Washington

Programming Teacher

- Developed unique curriculum to spark creativity and challenge students
- Mentored students in Java-based game and application development

awards

april 2013

5th/100

Seattle, Washington

University of Washington Computing Contest

april 2012

3rd/50

Seattle, Washington

Pugest Sound Computer Science Teachers Association Computing Contest

july 2011

1st/100

Redmond, Washington

DigiPen Video Game Programming Competition