Kevin Berry

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EDUCATION

Georgia Institute of Technology*, Atlanta, GA*, expected 2018
Candidate for Bachelor of Science in Computer Science
Concentrations: Intelligence, Systems and Architecture
GPA: 3.94/4.0

COURSEWORK

Compilers and Interpreters, Design and Analysis of Algorithms, Probability and Statistics, Combinatorics, Linear Algebra, Computer Organization and Programming, Intro to Systems and Networks, Intro to AI, Intro to Robotics and Perception

COMPUTER SKILLS

Proficient With: **Java, Python, C, JavaScript, Regex**
Comfortable With: C++, C#, MIPS, TensorFlow, Bash, SQL, HTML, Haskell
Software Tools: Git, Ubuntu, IntelliJ, Antlr, ROS, VMware Workstation, Vim, Visual Studio, Office, MailChimp, Microsoft Dynamics CRM, Android

EXPERIENCE

Teaching Assistant, Georgia Institute of Technology May 2016 - Present
CS 2110, Computer Organization and Programming

- Led a recitation of 46 students with lectures and reviews of course material including C programming, RISC Assembly, CPU datapaths, and digital logic
- Graded assignments and wrote software to automate testing and grading of student Java programs and circuit diagrams

Database Administrator May 2015 - August 2016
Institute for Advanced Medical Research, Alpharetta, Georgia

- Conducted domain analysis and defined database entities in Dynamics CRM
- Wrote scripts to automate processes such as form entry and data reporting
- Trained clinical and administrative staff on the use of new CRM features
- Wrote system documentation for maintenance programmers and end-users
- Created a mathematical model which accurately predicted the ratio of patient leads to stages of clinical trial enrollment

PROJECTS

Java REPL January 2017

- Parses, compiles, and evaluates Java methods against test cases in real time
- GUI includes code editor, compiler output, and method selection pane

Computer Algebra System Summer 2015 - Summer 2016

- Parses, simplifies, and evaluates real number, vector, and matrix expressions
- Evaluates algebraic functions, symbolic derivatives, and matrix operations

Particle Physics Simulator Spring 2015 - Present

- Simulates and displays particle interactions within unbounded force fields in 3D
- Modular design allows for simple inline creation of new force types and carriers

EXTRA-CURRICULAR ACTIVITIES

The Agency at Georgia Tech *(Member)*

- Wrote GPS, LIDAR, and launch functions for an autonomous car
- Attended talks on deep learning, language processing, and computer vision

Theory Club at Georgia Tech *(Communications Officer)*

- Provided technical assistance to attendees of TensorFlow workshop
- Attended talks on computational complexity, cryptography, and game theory