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, Modeling and Simulation
GPA: 3.95/4.0

SELECTED COURSEWORK

Machine Learning, Computational Science and Algorithms, Compilers and Interpreters, Probability and Statistics, Combinatorics, Linear Algebra, Intro to AI, Intro to Robotics and Perception

COMPUTER SKILLS

***Languages:* Python, Java, C, JavaScript and HTML, Processing**
Software Tools: Scikit, Keras, Tensorflow, Git, Ubuntu, IntelliJ, Antlr, Vim, LaTeX, MailChimp, Microsoft Dynamics CRM

EXPERIENCE

Machine Learning Intern, Worthix June 2017 - Present
Worthix, Alpharetta, Georgia

- Designed and implemented supervised learning models including recurrent neural networks, multilayer perceptrons, support vector machines, and ensemble learners to classify natural language data for client survey reports
- Worked with various automatic feature encodings such as tf-idf and word2vec

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

- Led recitations of 40-50 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 regression model that predicts 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

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