Matt Levin

(914) 629-6775 | mlevin6@u.rochester.edu | matt-levin.com

Education

University of Rochester   **May 2018**
Hajim School of Engineering and Applied Sciences   *Rochester, NY*
Bachelor of Science in Computer Science
Current GPA: **3.75 / 4.00**

Notable Courses: Artificial Intelligence, Algorithms, Linear Algebra with Differential Equations, Data Structures, Probability and Mathematical Statistics, Web Programming, and Computer Organization

Skills and Interests

Programming Languages: Java, Python, JavaScript, C++, C, OCaml, HTML, CSS, SQL, Bash, and Swift
Software and Tools: NumPy, Git, Pandas, Node, Postman, Apache, jQuery, Ajax, Slurm, and Xcode
Interests: Machine Learning, Artificial Intelligence, Big Data, Guitar, Bass, Soccer, and Ultimate Frisbee

Projects and Publications

Automated Reasoning: Finds and then proves solutions to systems of propositional logic using Java
URBus: Tracks university shuttles in real time and finds optimal routes using a graph algorithm and APIs
Bayesian Inference: Compares approximation algorithms on probabilistic graphical models in Java
Cache Simulator: Evaluates the performance of different cache configurations to minimize misses in C

T. Sen, K. Hasan, M. Tran, **M. Levin**, Y. Yang, and M. E. Hoque, Say CHEESE: the Common Habitual Expression Encoder for Smile Examination and its Application to Analyze Deceptive Communication, *Submitted.*

Experience

Undergraduate Researcher   **June 2017 – Present**
Human Computer Interaction Lab   *Rochester, NY*
  • Apply machine learning techniques to automate lie detection from audio and video
  • Recognize patterns in human conversation using hidden Markov models and clustering
  • Deploy code on BlueHive supercomputing cluster to train and test models on dataset

Teaching Assistant   **August 2017 – Present**
University of Rochester   *Rochester, NY*
  • Mentor project teams in designing and building products to meet a consumer need
  • Grade assignments and hold weekly office hours for Human Computer Interaction course

Information Technology Consultant   **June 2016 – Present**
Simon School of Business   *Rochester, NY*
  • Assist graduate students and professors in troubleshooting problems and configuring devices
  • Automated printer configuration process by developing a one-click application in AppleScript

Volunteer Tutor   **January 2017 – Present**
Computer Science Undergraduate Council   *Rochester, NY*
  • Hold free weekly tutoring sessions for several computer science courses

Music Instructor   **June 2012 – August 2015**
Music in Chappaqua   *Chappaqua, NY*
  • Taught one-on-one and group lessons on bass, guitar, drums, and live performance skills

Awards

Golden Key International Honour Society *Member*   **October 2017**
Eagle Scout *Boy Scouts of America*   **October 2014**