Erick Lin

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EDUCATION

Georgia Institute of Technology (expected graduation – May 2017) Aug 2014-

- GPA: 3.9/4.0 (4.0/4.0 in major)
  - Faculty Honors – Spring 2015
- Pursuing Bachelor of Science in Computer Science
  - Threads/specializations – Systems & Architecture, Theory
- Pursuing Bachelor of Science in Applied Mathematics

Dobyns-Bennett High School, Kingsport, TN 2011-2014

- National Advanced Placement Scholar, National Merit Finalist 2014
- Graduated as a Junior

EXPERIENCE

LAMP Camp – 12-week internship at **Cresca Group**, Norcross, GA May-Aug 2015

- Developed server-side applications integrating company internal software with numerous APIs (including FormStack, ShipStation, and PayPal), both to enable receipt of incoming orders from online sales channels and to pass along shipping notifications via a production database
- Wrote a regex parser to convert orders that differed widely in format into a unified schema
- Managed the team's remote Git repository and delegated responsibilities in weekly sprints, following the Agile methodology
- Completed projects culminating in release of an enterprise-scale data management system for online orders, adopted by over 40 clients

RESEARCH

National Collegiate Research Conference, Harvard University, Cambridge, MA Jan 2015

- Accepted for poster presentation (*Individual variability in pattern recognition and set shifting under the influence of ambiguity priming*)

iTrans VIP, Georgia Institute of Technology, Atlanta, GA Aug-Dec 2014

- Overhauled real-time bus transit map in Javascript, JQuery, and Leaflet

Simons Summer Research Program, Stony Brook University, Stony Brook, NY Jun-Aug 2014

- Constructed probabilistic models to study human pattern recognition
- Developed an emotionally engaging pattern detection task in MATLAB
- Project selected as **semifinalist** in **Siemens Competition**
- Selected to advance to international level at **Intel International Science and Engineering Fair**

Governor's School for Computational Physics, Clarksville, TN Jun 2013

- Ran experiments using high-precision equipment and numerical methods

ACTIVITIES/LEADERSHIP

Programming Competitions:

- **TopCoder** –Yellow (second highest rating level) Feb 2015

- **Zenhacks**, HackerRank – placed 92/1173
- **Algorithms with a Purpose**, ACM@CMU – placed 4/95 Oct 2014
- **Back2School CodeSprint**, HackerRank – placed 41/598 Oct 2014
- **USA Computing Olympiad** – qualified for Gold (highest) Division 2013-2014

ConocoPhillips Innovation Challenge, Bartlesville, OK Apr 2015

- 3rd place overall for developing a wearable technologies-interfacing Android app and analytics front-end utilizing server push and REST-style alerts to notify workers of location when someone could be in critical condition
- 1 of 16 students invited

ACM Programming Team – Judging Software Developer, Participant Aug 2014-
Student Activities Board for Undergraduate Research (SABUR) – Webmaster Apr 2015-
Runnin' Wreck – Webmaster Aug 2014-

SKILLS

Languages: C++, C, Java, Haskell, MATLAB/Octave, MySQL, Javascript, PHP, LaTeX, Fortran
OS/Software: UNIX/Linux (Ubuntu, Arch), Git, Vim, Emacs, GDB, Gradle, Android Studio
Putnam Exam score: 21