

# István Steven Gates

3480 Kent Road, Stow, Ohio 44224, USA  
ig11@zips.uakron.edu • +1 (330) 931-8770 • <http://www.github.com/gatesyp>

## EDUCATION

### The University of Akron, Akron, Ohio, USA

- Double Major (Bachelors) in Computer Science and Applied Mathematics Aug 2014
  - Spring 2018 expected graduation date.
  - GPA: 3.20

## WORK

## EXPERIENCE

### Complex Engineering Systems Lab (CESL), University of Akron

- Undergraduate Research Student May 2015 – Aug 2015
  - Project: Motivational Interviewing Expert Systems Development
  - Supervisors: Dr Shivakumar Sastry and Mr Prasad Fernando
  - Research areas: Developed content organization tool as well as visualizer.
  - Defined and organized question-response links in order to create dynamic "interview".

## PROJECTS

- Enigmatic Apr 2016
  - Programmed using JavaScript, NodeJS, & SQL
  - Chrome Extension w/ companion mobile app provides heavily abstracted end-to-end encryption.
  - User never knows their message was encrypted, or that they decrypted a message.
  - Developed RESTful API to support extension, and implemented encryption methods.
  - Aided in DOM traversal methods for automatic decryption methods.
- GeoHunt Feb 2016
  - Programmed using PHP, NodeJS, SQL, and Python.
  - Chrome Extension to give a personalized apartment-hunting experience.
  - Developed back-end web servers, database, and apartment/transaction analysis algorithms.
  - After transaction data analysis, user may highlight any address they are interested in learning about.
  - The location is analyzed and a report is generated for the user.
- Mirror Mirror Jan 2016
  - Programmed using C#, PHP, and SQL.
  - Built a 'Smart Mirror' which overlays a dynamically generated clothing catalog items onto user.
  - Developed a collaborative-filter recommendation system, and communication with web server.
  - Recommendation system takes user inputs (Likes and Dislikes) and creates profile for each user.
  - Using Kinect joint data, clothing images are displayed and scales with the user's movements.

## AWARDS

- Grand Prize Winner, AngelHacks, Platform 84.51 Jun 2016
  - A competition geared towards Jr/Sr devs. Best Machine Learning Project, & Largest Impact
- Grand Prize Winner, UncommonHacks, University of Chicago Apr 2016
  - Out of 260 participants. Best Overall & Best Security
- Grand Prize Winner, HackCWRU, Case Western Reserve University Feb 2016
  - Out of 460 total participants. Best Improvement on Undergrad Life
- Grand Prize Winner, Fashion Tech Hackathon, Kent, Ohio Jan 2016
  - Out of 253 total participants. Best Creation of New Technology

## CAMPUS

## ACTIVITIES

### IEEE Student Chapter, University of Akron

- President Sep 2015 – Present
  - Restored student chapter.
  - Increased membership from 8 to 20 students.
  - Secured sponsorship from University of Akron Honors College.
  - Created and managing IEEE-funded project design teams (10 students).
  - Increased number of competitions attended per year from 1 to 4
  - Led programming workshops - taught C and Git/GitHub.
- Secretary Nov 2014 – Sep 2015
  - Planned all student meetings.
  - Scheduled speakers and organized events.