

István Gates

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EDUCATION

The University of Akron, Akron, Ohio, USA

- Double Major (Bachelors) in Computer Science and Applied Mathematics Aug 2014 – Present (expected graduation of Fall 2019)
 - GPA: 3.19

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 (content specified by Masters student). Defined and organized question-response links in order to create dynamic "interview".

PROJECTS

- 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 matching/transaction analysis algorithms.
 - A user registers by allowing us to analyze their transaction history in order to learn what they value.
 - After analysis, user may highlight any address they are interested in learning more 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' and gave overlay of 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.
 - A similarity index is calculated, and new suggestions are produced in batched responses.
 - Using Kinect joint data, clothing images are displayed and scales with the user's movements.
- twiddit Jan 2016
 - Programmed using Python.
 - Create a personalized 'reddit.com' account based off of a twitter profile.
 - Using a sentiment analysis API, a user's likes and dislikes are discovered from their tweets.
 - Related 'subreddits' are found and subscribed to. Account details are sent to the user's twitter profile.

AWARDS

- Grand Prize Winner, HackCWRU, Case Western Reserve University Feb 2016
 - Out of 460 total participants. With project GeoHunt
- Grand Prize Winner, Fashion Tech Hackathon, Kent, Ohio Jan 2016
 - Out of 253 total participants. With project Mirror Mirror
- Grand Finalist, Hyland Hackathon, West Lake, Cleveland Dec 2015
 - Out of 127 total participants. With project BARNRAISR
- Top 10 Finalist, OH/IO Hackathon, Columbus Nov 2015
 - Out of 490 participants. With project MEDIQR

CAMPUS ACTIVITIES

IEEE Student Chapter, University of Akron

- President Sep 2015 – Present
 - Restored student chapter.
 - Increased membership from 8 to 40 students.
 - Secured sponsorship from University of Akron Honors College.
 - Created and managing 2 IEEE-funded project design teams (12 students per team).
 - Organized teams to attend multiple competitions.
 - Led programming workshops - taught C and Git/GitHub.
- Secretary Nov 2014 – Sep 2015
 - Planned all student meetings.
 - Scheduled speakers and organized events.