

István Gates

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EDUCATION

The University of Akron, Akron, Ohio, USA

- Double Major (Bachelor's) 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". Extensive work in PHP and SQL/MySQL.

PROJECTS

- Mirror Mirror Jan 2016 – Present
 - Programmed in C, PHP, and SQL.
 - Using a 'Smart Mirror' with Kinect, overlay clothing catalog items on to a user and provide recommendations.
 - Developed a collaborative filter recommendation system and backend for the Smart Mirror.
 - 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 on top of a user, which scales with the user's size.
- twiddit Jan 2016
 - Programmed using Python.
 - Create a personalized 'reddit.com' account based off of a twitter profile.
 - Using Twitter RESTful API, collect all tweets from a user
 - Using IBM Alchemy sentiment analysis API, a user's likes and dislikes are discovered. Related 'subreddits' are found and subscribed to.
 - 'reddit' account details are sent to the user's twitter profile.
- BARNRAISR Dec 2015
 - Programmed using PHP and MySQL.
 - Android application to increase number of volunteers in a local community.
 - Developed back-end web server and database.
 - Provides on demand, location based volunteer opportunities which are created by users.
 - Server supports creation of events, checking in to events, refreshing event list, and user profile operations.

AWARDS

- Grand Prize Winner - Best Creation of a New Technology, Kent State University Fashion Tech Hackathon, Kent, Ohio Jan 2016
 - Out of 220 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 550 participants. With project MEDIQR

CAMPUS ACTIVITIES

IEEE Student Chapter, University of Akron

- President Sep 2015 – Present
 - Refactored student chapter.
 - Grew membership from 8 to 45 students.
 - Created and managing 2 IEEE-Funded project design teams (12 students per team).
 - Secured sponsorship from University of Akron Honor's College.
 - Resolved multiple internal conflicts in order to reorganize student chapter.
 - Led programming workshops - taught C and Git/GitHub.
- Secretary Nov 2014 – Sep 2015
 - Planned all meetings.
 - Scheduled speakers.