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, 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 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.
  - 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 meetings.
  - Scheduled speakers and organized events.