Tejas Deshpande

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Education

University of Cincinnati, Class of 2016/17(Co-op)
B.S. in Computer Science with a minor in Mathematics
Dean's List Fall 2012, Spring 2013, Summer 2014
UC Global Scholarship recipient
GPA: 3.70/4.00

Technical Skills

Proficient: iOS SDK (Objective-C, OCMock, XCUnit, Cocoapods), Java, Node.js, C++

Work Experience

Aug 2014-Dec 2014	**Software Engineering Co-op, Intuit, Mountain View, CA** -Worked on the scrum team developing iOS (iPhone and iPad) companion apps for Intuit Online Payroll - Improved code coverage and solved multi-threading issues in a monolithic 6 year old codebase - Improved reusability between iPhone and iPad GUI components using auto-layout, size classes and developing well tested shared components -Successfully delivered critical product updates on tight deadlines with a very small team
Jan 2014-May 2014	**Software Engineering Co-op, Intuit, Mountain View, CA** -Worked on the scrum team which was modernizing the legacy Intuit Online Payroll backend into a more flexible REST API (Worked with Java, Jersey, Hibernate, Spring) -As a member of a small team of co-ops, developed and launched a Google Moderator like tool using Node.js, and Backbone.js in our whitespace time. This enabled our VP to start a weekly FYI (TGIF) meeting -Participate in a week long intensive Design for Delight workshop for co-ops, interviewing customers and rapidly developing MVPs
Aug 2013-Current	**Teaching Assistant, University of Cincinnati, Cincinnati, OH** -Assist in teaching and grading for Engineering Models using MATLAB -Co-author a conference paper exploring effective teaching methods (see publications)

Relevant Awards, Honors and Projects

ACM East Central North America Regional Programming Contest, 2012, 2013
 - Placed 33rd out of 171 teams at ACM ECNA RPC 2012
 - Placed 38th out of 78 teams at ACM ECNA RPC 2013

International Olympiad in Informatics Training Camp, India
 - Invited to IOI Training Camp, India, 2012
 - Among 23 out of more than 8000 students who participated in the selection rounds
 - Contest involved problems in the application of Dynamic Programming, Graph Theory and other data structures and algorithms

Research – Revisiting the Mars Surveyor Challenge
 - Explore the application of Genetic Algorithms to solve the problem of area search using rovers
 - Compare results with team member who is using Rule based decision making for rovers

Co-curricular leadership experience

Midwest Dhamaka dance contest, Tech Chair
- Worked with the previous tech chair to streamline and document the position so anyone coming in can easily fill in
- Successfully executed the adoption of new technologies like Square to reduce ticketing costs and increase student outreach
- Prototyped a Twilio based solution to reduce live audience polling costs
- Successfully worked with a core organizing team that initially wasn't very accepting of an outsider

Publications

Conference Presentations

Stubblebine, A., Deshpande, T., & Kivelevitch, E. (2013). Revisiting the Mars Surveyor Challenge. *University of Cincinnati, Cincinnati*. Presented at University of Cincinnati, Fall 2013

Stubblebine, A., Higgins, S., Deshpande, T., & Kivelevitch, E. A Cascading Fuzzy Logic Controller to the Mars Surveyor Competition. Presented at AIAA SciTech 2015, Kissimmee, FL

Higgins, S., Stubblebine, A., Deshpande, T., & Kivelevitch, E. A Scented Receding Horizon Approach to the Mars Surveyor Competition. Presented at AIAA SciTech 2015, Kissimmee, FL

Flenar, K., Ross, J. A., Okel, M. T., Deshpande, M. T. A., Bucks, G. W., & Ossman, K. A. Effective Educational Methods for Teaching Assistants in a First-Year Engineering MATLAB Course. Presented at 121st Annual ASEE Annual Conference and Exposition, 2014, Indianapolis, IN

Activities

College:	PayPal BattleHack, MHacks Hackathon, Treasurer – ACM@UC, Tech Chair – Midwest Dhamaka, Google Code Jam, UC Honors Program, LeaderShape Academy
High School:	Indian National Olympiad in Informatics, Regional Mathematics Olympiad, TCS IT Wiz (National Quiz Contest), IIT Guwahati Technothlon
Community:	Cincinnati Tech Olympics, Cincinnati Computer Cooperative, Into the Streets UC, Extreme Makeover: Playground Edition, Child Relief and You – Pune, Southwest Ohio Science Fair - Volunteer