

# Tejas Deshpande

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## **Education**

### **University of Cincinnati, Graduating in May 2017 (5 year co-op program)**

B.S. in Computer Science with a minor in Mathematics

Dean's List Fall 2012, Spring 2013, Summer 2014, Spring 2015

UC Global Scholarship recipient

**GPA: (Major) 3.92/4.00 (Overall) 3.75/4.00**

## **Technical Skills**

**Significant past experience in:** Java, Node.js, Objective-C, Swift, C++

## **Work Experience**

- Jan 2014-Aug 2015    **Software Engineering Co-op, Intuit, Mountain View, CA**
- Worked for 3 co-op rotations of 4 months each
  - Delivered significant user facing features for the Online Payroll iOS app (Objective-C, Java, Swift)
  - Delivered an internal tool that helped our VP improve transparency within the 300 person organization (Node.js, Backbone-Marionette)
  - Followed and contributed to the improvement of team best practices including Code Reviews, Unit Testing, CI, Pair Programming and Agile
  - Underwent extensive customer empathy training and exercised it as part of week long sessions where we tried to identify and solve big customer problems. Some solutions were implemented in QuickBooks self employed.
- Aug 2013-Apr 2015    **Teaching Assistant, University of Cincinnati, Cincinnati, OH**
- Freshman engineering course using MATLAB to model real life problems
  - 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 33<sup>rd</sup> out of 171 teams at ACM ECNA RPC 2012
- Placed 38<sup>th</sup> out of 78 teams at ACM ECNA RPC 2013

### **International Olympiad in Informatics Training Camp, India, 2012**

- Among top 23 out of more than 8000 students who participated in the selection rounds
- Contest involved problems related to 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

## **Katta – An app to simplify complex friend availability and scheduling**

- Node.js based prototype backend
- Pure Swift iOS app
- Ongoing

## **Co-curricular leadership experience**

### **Midwest Dhamaka, Annual dance contest, Tech Chair, 2014, 2015**

- Worked with the previous tech chair (who was also the co-founder) to streamline and document the position so anyone coming in after me could easily fill in
- Improved efficiency and drove down costs by adopting solutions like Square and prototyping a scrappy Twilio based solution to significantly reduce live audience polling costs

## **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

Flenar, K., Ross, J. A., Okel, T., **Deshpande, 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 Technothon
Community:	Junior Achievement Bay Area, Cincinnati Tech Olympics, Cincinnati Computer Cooperative, Into the Streets UC, Extreme Makeover: Playground Edition, Southwest Ohio Science Fair, Child Relief and You – Pune, India