# AKHILESH MANTRIPRAGADA

## SOFTWARE ENGINEER & ENTREPRENEUR

### GET IN TOUCH

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## EXPERIENCE

### Head of Product and Founder, Edulinc
New York, NY and San Antonio, TX; October 2014 – Present

*Edulinc is an organization and collaboration tool for students and instructors. Edulinc integrates with Dropbox, GitHub and course management systems to bring all relevant resources to one place and make collaboration among Students and Instructors more efficient. Students and Instructors can work on assignments and projects and store them for posterity in the form of portfolios. Edulinc is currently being used at two universities.*

- Built and led a team of 2 developers. Managed dependencies, prioritized feature set and scheduled team tasks to achieve maximum efficiency.
- Designed (UI and architecture), and implemented Edulinc's core features and built a mechanism for students to continue developing other features for Edulinc (in collaboration with Instructors)
- Led the team through two pivots, and devised strategies to capture relevant feedback from users
- Designed A/B test experiments to deliver the best UX for students and instructors

### Web Engineer, Quantitative Literacy Program(QLP), University of Texas at San Antonio
San Antonio, Texas; December 2012 – May 2014

- Reported directly to the **Director of QLP**; Analyzed and interpreted datasets collected by the program
- Gathered requirements for the Quantitative Literacy Course Data Submission(QLCDS) web portal from over 25 different instructors/program coordinators and translated them into easy to use features to cater to instructors from different backgrounds
- Designed, implemented and deployed the QLCDS web portal to efficiently capture student data; QLCDS is now being used by over 150 professors for 75 courses at UTSA and reduced workload by more than ¾th (under Intuitive Inventions)

### Research Assistant, Cloud and Big Data Laboratory(CBDL)/Open Compute, UTSA
San Antonio, Texas; September 2013 – May 2014

- Pioneering laboratory in US; Conducted research under the supervision of **Rackspace's Vice President**
- Performed Cloud hardware certification
- Collaborated with industry experts from Rackspace, Avnet, Ubuntu and Facebook
- Only undergraduate student to be selected in a group of post-doctorates and industry experts

### Degree Plan Achievement Analysis(DPAA) Developer, Office of Information Technology, UTSA
San Antonio, Texas; October 2012 – May 2013

- Designed, developed and implemented the DPAA prototype: a web portal that allows students to plan their courses at UTSA by providing them suggestions based on their major, GPA and interests
- DPAA was one of the first student developed software. DPAA was then scaled to accommodate the 30,000 UTSA student population (now called Degree Works)

# EDUCATION

**Bachelor of Science in Computer Science and Software Engineering**
**University of Texas at San Antonio, 2010 – 2014; Cumulative GPA: 3.91, Major GPA 4.0**

- *Summa Cum Laude*; President's List for 7 consecutive semesters
- Highest Honors from Honors College with Thesis entitled "Edulinc: Powerful Collaboration Tool for Schools"
- Received 2 research and travel grants to work on Edulinc and present my research at national conferences including National Conference for Undergraduate Research
- Received 8 scholarships and awards including the prestigious and highly competitive Presidential Honors Scholarship and College of Science Dean's Fund Excellence Award
- Awarded the University Life Award for the Most Outstanding Student at College of Sciences at UTSA

**Master of Science in Computer Science**
**Columbia University, 2014 – 2016; Cumulative GPA: 3.78**

- Software Systems track under the supervision of Dr. Henning Schulzrinne (CTO @ FCC) and Dr. Ken Ross
- TA for Programming Environments & Software Systems and Programming for Entrepreneurs

# RECENT PROJECTS

**Phone Number Allocation Project, Columbia University**
New York, NY; January 2015 – June 2015

- Designed and implemented a distributed number allocation, generation and maintenance system based on PAXOS consensus protocol and Gossip protocol
- Worked with Dr. Henning Schulzrinne (CTO @ FCC)
- My research was presented at IETF, Prague in July 2015
- Technology: Python, PHP, Laravel, CSS3, HTML5, JS, jQuery

**PSAP Database, Course Project Columbia University**
New York, NY; September 2014 - December 2014

- PSAP Database serves as a tool to aid the FCC in evaluating the state of PSAP readiness and E9-1-1 deployment
- Used Test first development ideology to design and implement the project
- Worked with Dr. Henning Schulzrinne

# RELEVANT COURSEWORK

- Data Structures (TA)
- Programming Environments and Software Tools (TA)
- Programming for Entrepreneurs (TA)
- Principles of Innovation and Entrepreneurship(TA)
- Intro to Programming II (TA)
- Discrete Math
- Systems Programming
- Operating Systems
- Computer Networks
- Project Management
- Programming Languages
- Analysis of Algorithms
- Computer Organization
- Software Engineering
- Introduction to Database Management
- Artificial Intelligence
- User Interface
- Computer Architecture
- Internet Tech Econ Policy
- Database Systems Implementation
- Micro- and Macro Economics, and Economics: Managerial Decisions

# SKILLS

| Skill | Aware | Good | Adept |
|---|---|---|---|
| PHP | | | Adept |
| MySQL | | | Adept |
| SQL | | | Adept |
| Java | | | Adept+ |
| C | | | Adept |
| HTML5 | | Good | |
| CSS3 | | Good | |
| JavaScript | | Good | |
| jQuery | | Good | |
| Laravel | | Good | |
| L(M)AMP | | Good | |
| Design/UX | | Good | |
| Strategy | | Good | |
| Deployment | | Good | |
| Scrum | | Good | |
| Wireframing | | Good | |
| Prototyping | Aware | | |

Familiarity with Python, Angular, MongoDB, Vue.js, A/B Testing, Market analysis, and Product-Market fit