

## EDUCATION

**University of Michigan and Shanghai Jiao Tong University Dual Degree**  
*B.S.E., Computer Science and Engineering and Electrical and Computer Engineering*

**Ann Arbor, MI and Shanghai, CN**  
**Graduated Apr. 2015**

## SKILLS

- JS, Python, C#, Databases, Front-end frameworks, and Java

## WORK EXPERIENCE

### Dell

Austin, TX

*Software Engineer*

**May 2018 - Present**

- Developing a design system that comprises responsive, cross-browser, and accessible UI components that streamlines frontend development at Dell. Assets available both as a node module and at static URLs.
- Engaging in the entire product cycle, namely discovery, framing, and iterations. Gathered insights and validated assumptions through user interviews, built minimum viable product to fail fast and gain real world learnings, growing and maturing into center of excellence for everything user experience at Dell.
- Discovering and advocating automated solutions to day to day or one-off manual tasks, e.g. created and maintained a page for daily standup update order (<https://jeffbasil.com/standup>), wrote a script to generate best choices for color pallet migration ( $\Delta E$ , CIEDE2000, <https://jeffbasil.com/colors>).
- <https://www.delldesignsystem.com/>.

### Dell

Austin, TX

*Software Engineer*

**Aug 2015 - May 2018**

- Contributed to a distributor interface for seamless price management with AngularJS, C#, and SQL under an agile environment.
- Implemented refiner logic to filter products, responsive client-side search, product publish/unpublish, and excel exports with styling.
- Automated test cases and ran regression testing when needed.
- <https://channel.dell.com/spl/products>

### Tencent (world 3rd largest Internet company)

Beijing, China

*Software Engineering Intern*

**May 2014 - Aug. 2014**

- Developed a social networking service for Tencent map accommodating both Facebook-like and Twitter-like relationships that impacts millions of users.
- Added features like nearby places search and fuzzy search to services called by the whole map team.
- Implemented 6 other services that reduced or eliminated manual labor with automation.

### Networkingout (a startup that fuses networking and working out)

Detroit, MI

*Software Engineering Intern (remote)*

**May. 2014 - Aug. 2014**

- Implemented friend recommendation algorithms based on user profiles and optimized for different scale of data on board.
- Integrated APIs to enable querying other platform.

## Honors

- Dean's List (3 times), Outstanding Student Award
- Ranked top 3% in ENGR 100 at U of M

## Fun Stuff

- <https://jeffbasils.com/>
- <https://www.sunweijia.com/stats>
- Developed a gesture controlled maze game for bed-bound patients to slow physical and mental deterioration.
- Created a centrifuge out of spinning hard disks and other easy to find materials to improve availability of centrifuges within developing countries.