

# MELISSA DU

MDU96@STANFORD.EDU | P.O. BOX 16000, STANFORD, CALIFORNIA 94309 | (713)-884-7578

## EDUCATION

### Stanford University

September 2014 – Present

#### Expected May 2018, B.S. Computer Science

- **GPA:** 3.8 / 4.0 ; **SAT:** 2390 / 2400 (Critical Reading: 800 | Math: 790 | Writing: 800)
- **Relevant Courses:** Computer Organization and Systems; Design and Analysis of Algorithms; Programming Methodology; Programming Abstractions; Mathematical Foundations of Computing; Ordinary Differential Equations; Human Computer Interaction Design.

## PROJECTS

### Qualcomm Hack for Impact Challenge

San Diego, CA

#### Winner, "Best Overall Hack"

January 2015

- Built a wireless pain indicator for those undergoing dental operations using an Arduino, circuit/bread boards, LED lights, & AppInventor.

### CodeConnect.io

Mountain View, CA

#### Hack the Planet – Major League Hacking

August 2015

- Created a platform to connect users for help with coding. Worked on the front-end, learned Node.js, & helped integrate the Blockchain API.

**TECHNICAL SKILLS:** Python, C++, HTML, CSS, & Excel. Intermediate knowledge of JS, MatLab, Adobe Photoshop, & Adobe Illustrator.

## EXPERIENCE

### Microsoft

Redmond, WA

#### Incoming Software Developer/Product Manager Intern

June 2016 – September 2016

### Tesla Motors

Palo Alto, CA

#### Validation Engineering Intern

January 2016 – June 2016

- Write testing frameworks for Tesla Model X Body Control modules using Python
- Maintain testing infrastructure for firmware testing (with a focus on regression test suites executed nightly)

### Microsoft

Stanford, CA

#### Student Partner

September 2015 – Present

- Led and designed monthly workshops to teach web development using various Microsoft technologies such as Azure and Visual Studio.
- Increased workshop attendance by 20% with the creation and implementation of new marketing strategies (social media campaigns, mixers)

### Stanford Management Science & Engineering Department

Stanford, CA

#### Research Intern

June 2015 – August 2015

- Wrote software using Python to process data from the Form 10-Ks of over 900 companies in the enterprise software industry.
- Conducted market research on current competitors of target companies & used the results to synthesize conclusions about B2B competition.

## HONORS

### Coca Cola Scholar

Atlanta, GA

#### Scholarship Recipient

April 2014

- One of 150 scholars chosen from over 100,000 students across the nation to earn a \$20,000 college scholarship in recognition of outstanding academic and extracurricular achievements and dedication to community service.

### Intel Science Talent Search

Washington, D.C.

#### Scholarship Recipient

March 2014

- Wrote an extensive scientific paper on the role of the fibroblast growth receptor 4 (FGFR4) polymorphism in neuroblastoma pathogenesis.
- One of 300 students, chosen from an initial pool of ~1,500 students from across the nation, to a \$1,000 scholarship.

## LEADERSHIP & ORGANIZATIONS

### Women in Computer Science

Stanford, CA

#### Speaker Series Coordinator

April 2015 - Present

- Spearheaded the creation of quarterly speaker events & executed marketing plan that attracted over 100 students to the first event.
- Collaborated with high profile companies such as Twitter & Salesforce to bring in speakers and design company sponsored events.

### Alpha Kappa Psi Business Fraternity

Stanford, CA

#### Chief Operating Officer, Project Team

April 2015 - Present

- Performed market research analysis for venture capital firms General Catalyst, SV Angel, and SoftBank Capital on over 1000 trending media apps.
- Managed progress across various projects and created team plans in order to achieve both quarterly fundraising goals and company goals.

### Violinist

Houston, TX

#### Young Artist

January 2004 – August 2014

- Grand Prize Winner of Houston Youth Symphony, Houston Civic Symphony, and Clear Lake Symphony Concerto Competitions
- Invited to perform on nationally syndicated radio show From the Top & Classical 91.7 FM; National First Prize Winner of Mark of Excellence