

# JESSICA POPOOLA

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## EDUCATION

**The University of Texas at Austin**

Bachelor of Science, Biochemistry  
Certificate in Business Foundation  
Minor: Statistics and Data Sciences

May 2018

## EXPERIENCE

**Ellington Lab** – *Undergraduate Researcher*; Austin, TX

January 2016 - Present

- Operate enzymatic isothermal nucleic acid amplification of infectious disease and bacterial indicators
- Perform and analyze isothermal assays such as Loop-Mediated Isothermal Amplification (LAMP)
- Develop a real-time probe-based LAMP in-vitro diagnostic assay for Influenza H1N1 and H3N2

**Practical Molecular Sensors** – *Undergraduate Researcher*; Austin, TX

January 2016 - May 2016

- Built platforms for paper-based electrochemical analysis of biologically relevant target molecules
- Utilized composite pairs of antibodies to detect biomolecules over a paper support
- Engineered galvanic exchange to oxidize the signature silver nanoparticles that label them

**DIY Diagnostic Lab** – *Undergraduate Researcher*; Austin, TX

January 2015 - January 2016

- Examined scientific literature pertaining to *Plasmodium Vivax*
- Compiled interpreted data for weekly presentations
- Developed a real-time probe-based LAMP assay for *Plasmodium Vivax*

## LEADERSHIP EXPERIENCE AND ACTIVITIES

**Clear Reach** – *Founder*

Spring 2016 - Present

- Strategize effective methods to improve our product's development process
- Generate interests from industry leaders in our company
- Pitch to investors the value our product provides

**Waller Creek Symposium** – *Poster Presenter*

Spring 2017

- Engaged with Austin's Waller Creek stakeholders
- Presented the utility of our innovation to the end-user
- Corresponded with donors about our alumni

**Idea to Product competition** – Participant

Fall 2016

- Placed within the 6 selected teams out of the 20 that applied
- Pitched our commercialization strategy to a panel of experienced entrepreneurs

**Austin Tech Incubator SEAL team** – Participant

Summer 2016

- Developed our business model
- Validated the target market
- Designed Clear Reach's pitch deck for Decision Day event

**NSF Innovation-Corps** – *Student member*

Spring 2016

- Engaged with potential stakeholders
- Conducted customer survey interviews to assess the market validity
- Compiled interview information and condensed it into a readable assessment

## HONORS

- TIDES Research Fellowship
- TIP Scholar Scholarship Recipient

Summer 2016

Summer 2015

## ADDITIONAL INFORMATION

**Computer Skills:** R, R Studio, HTML5, CSS, SQL, Python, MS Word, Excel, PowerPoint