

# ITZEL R TAPIA

[itzelrtapia@outlook.com](mailto:itzelrtapia@outlook.com), (469)410-9385 | LinkedIn: [itzel-tapia](#) | GitHub: [itzel-tapia](#)

## **EDUCATION**

### **The University of Texas at Dallas**

B.S., Computer Science

Aug 2018 – Dec 2020

*Collegium V Honors Program*

**3.743 GPA**

*Recipient of the Terry Scholarship, the Diversity Scholarship, the STEM Ericsson Scholarship, the Green Fellowship Scholarship, and the Northwood Woman's Club Scholarship*

### **North Central Texas College**

A.A. w/Honors, General Studies

Aug 2016 – May 2018

*Recipient of over 10 merit-based scholarships*

**3.470 GPA**

## **TECHNICAL SKILLS**

**Languages:** Java, Python, C++, HTML, CSS, JavaScript, Angular, Assembly Language, C, Bash, Awk, Sed, Shell Script, Perl, Racket, Prolog, Verilog, SQL

**OS/Tools:** Windows, Linux, Cloud Computing, GCP, MobaXterm, UML, MS Office Suite, LaTeX, TensorFlow, CNN's, AS400, Jira, Confluence, Google Colaboratory, Git

**Management:** Agile, Testing, Debugging, Data Collection & Analysis, Research, Design, Development

## **PROFESSIONAL EXPERIENCE**

### **Software Engineer Intern, Fannie Mae**

June 2019 – Aug 2019

- Worked in front-end development Agile team attending meetings, sprint planning and execution, story grooming, requirement fulfillment, and testing.
- Selected as one of four interns, from across the country, to be featured on the on the [Heart of Housing Blog](#).

### **Data Science Research Fellow, UT Southwestern Medical Center**

January 2019 – May 2019

- Conducted research in machine learning at the Medical Artificial Intelligence and Automation Laboratory pertaining to cancer treatment planning and optimization through machine learning applications.
- Developed a novel universal convolutional neural network (CNN) that performed with 97% accuracy, fewer input channels, and reduction of training time by 94%.

### **Project Manager & Researcher, National Science Foundation UT Dallas Site**

May 2018 – July 2018

- Conducted academic research in software security and privacy. Collaborated with, and supervised, a team of 2 undergraduate researchers obtaining the "Best in Class" award from the affiliated REU site.
- Selected to present research at the 2018 NSF REU Symposium in Washington D.C. from a pool of over 7,000 international applicants.

### **Asset Management Representative, Bank of America**

November 2009 – April 2013

- Managed largest portfolio on the team. Within the 1<sup>st</sup> quarter of portfolio assignment, eliminated backlog and improved working relationships with outside vendors and partners.
- Supervised a team of 10-15 people across multiple departments. Created onboarding training materials and established systematic processes to share best practices. Mentored team members to help improve their performance.

### **Data Specialist, Heakin Research**

January 2007 – November 2009

- Collected data and conducted studies to meet client requirements.
- Trained and mentored new employees.

## **ORGANIZATIONS, LEADERSHIP & AWARDS**

**Tau Sigma National Honor Society**, Member

May 2019 – Present

**Terry Foundation, UT Dallas**, Scholar

August 2018 – Present

**Hispanic Scholarship Fund**, Scholar

August 2018 – Present

**Women Mentoring Women in Engineering, UT Dallas**, Member

August 2018 – Present

**All Texas Academic Team, Phi Theta Kappa**, Officer

February 2018 – Present

## **ADDITIONAL INFORMATION**

Fluent in Spanish and American Sign Language