

EDUCATION**The University of Texas at Austin**, Austin, TX

Expected May, 2018

Bachelor of Science in Computer Science

GPA: 3.0

Certificates:

McCombs Business Foundations Certificate

Relevant Coursework:

Introduction to Programming (CS 312)

Data Structures and Algorithms (CS 314)

Discrete Mathematics (CS 311)

Introduction to Computational Biology (BIO 321G)

Honors Include:

Texas Interscholastic League Foundation (TILF) Scholar

Sealy High School, Sealy, TX

August 2011 – June 2015

Class Rank: #1 out of 179 (Top 1%)

GPA: 4.535

PROJECTS*UT Aquaponics Web Application*

June 2016 – Present

- Developed a Node.js web application for the UT Aquaponics Club (<http://www.ut-aquaponics.rhcloud.com>). The application aims to enable the organization to utilize real-time embedded sensor data to develop a sustainable, autonomous aquaponics system.
- Technologies Include: Node.js, Express (Web Framework), MongoDB (Database), Mocha & Chai (Unit Testing), Google's Polymer (Front-End Framework), Redhat's Openshift (Web Hosting), and Cloudinary (CDN).
- Tasks Include: REST API Implementation, User Interface Design, and Project Coordination.

SSL.com CodeRED Challenge

November 2015

- Developed a prototype SSL Spider to scrape the top 1,000,000 Alexa websites and deliver insight on the status of security certificates, such as version, encryption type, and expiration date.

ACTIVITIES & LEADERSHIP**Bioinformatics Practicum**, Austin, TX

August 2016 – Present

Founding Member

- Collaborated to establish a new student organization, the UT Bioinformatics Practicum (BP). BP focuses on the study and application of Computational Biology and Bioinformatics.

Senate of College Councils, Austin, TX

September 2015 – May 2016

At-Large Member / Undergraduate Research Committee Member

- Advocated for Academic Issues and Policy Implementation aimed at continuing the University of Texas at Austin's designation as a Tier-1 Research University.
- Volunteered for STORM, an event sponsored by the Undergraduate Research Committee that allowed local Austin high school students the opportunity to participate in a university-level biology lab.
- Served on the Undergraduate Research Grant Panel, which reviewed applications for a deserving undergraduate to receive a grant of \$1,000 to further their independent research projects.

HackTX, Austin, TX

November 2015

CodeRED, Houston, TX

November 2015

UIL Academics, Sealy, TX

August 2011 – June 2015

Speech & Debate Team Captain

- Competed in Congressional Debate, Lincoln-Douglas Debate, and Extemporaneous Speaking.

TECHNICAL SKILLS**Languages:** Intermediate in Java, Python**Web Development:** Intermediate in HTML, CSS, Javascript, Node.js, MongoDB, Polymer**Research:** Student Participant in the UT Freshman Research Initiative's "Big Data in Biology" Stream.**Computer Skills:** Basic SSH, Vim, Linux