
Austin, TX

University of Texas at Austin - CSB Program

Graduating May 2026

- BS in Computer Science Honors and BBA in Business Honors Program (BHP)
- *Relevant Courses:* Data Structures [H], Discrete Math [H], Calculus I-III, Longhorn Startup Seminar
- *Activities:* UT Programming Contest, Freetail Hackers, IEEE Robotics & Automation Society, CSB Association

Frisco, TX

Centennial High School

2017-2021

- **5.47/6.00 Weighted GPA, 4.00/4.00 Unweighted GPA**, 35/36 ACT Score, 800 SAT Math II
- *Relevant Courses:* AP Calc BC, AP Physics I/II/C, Advanced Computer Science/Video Game Design, Mobile Programming
- *Activities:* Mu Alpha Theta*, Business Professionals of America, DECA*, Computer Science UIL Team* (* - Leadership Role)

EXPERIENCE

Kalvi Prep (E-Learning Startup) | *Product Developer* | www.kalviprep.com | Frisco, TX Summer 2021 - Fall 2021

- Developed active web application that received 25K+ page visits and accrued over 2.3K student interest form signups
- Updated current website with new database form and mobile app features using React Native
- Created institute's 32-week AP Computer Science and Intermediate/Advanced Java course to over 600 registered students

University of Texas at Dallas AI Labs | *ML Research Intern* | [StockBot-GitHub](#) | [Research Paper](#) | Richardson, TX Summer 2020

- Explored various classifications, regressions, and algorithmic concepts with undergraduates under Dr. Anurag Nagar
- Trained a dynamic ARIMA-LSTM neural network model using Tensorflow and Keras to predict several stocks' price trends
- ARIMA-LSTM outperformed pre-existing models with over 71% improved prediction accuracy and minimal fitting error
- Constructed a DQN reinforced learning agent called StockBot and led its experiments in simulating stock trading

Allstate Insurance | *Cybersecurity Risk Analyst Intern* | Frisco, TX Summer 2019

- Shadowed senior security team members on handling policy requests, audits, and patch updates to company software
- Implemented firewall security measures (firemon), python, and CompTia Security+ daily to monitor servers and networks
- Worked on sales and customer support team separately and successfully handled 350+ insurance policy requests

PROJECTS

Algorimage | *Founder & Full Stack Developer*

- Developed an interactive algorithm visualizer for pathfinding, sorting and searching algorithms
- Currently maintaining the website to include tree traversal diagrams based on popular demand of users
- Implemented with React.JS and currently deploying the site using Heroku

Machine Learning and Data Analysis Series | *Data Analyst and Author*

- Authored a series of Jupyter notebooks analyzing Kaggle datasets and applying supervised and unsupervised ML models

Messenger | *Game Developer*

- Created a C# VSCode "Galaga"-inspired game where users play three levels as a fighter ship before facing the final boss

LEADERSHIP

UT CSBA Pitchathon | *Logistics Director* | Austin, TX (Remote) Fall 2021 - Present

- Confirmed venue space, pitched sponsor packages to three local companies, and organized catering with food sponsors

initializeChange() (E-Learning Non-Profit) | *Co-Founder* | Dallas, TX Summer 2019 - Summer 2021

- Hosted over 240 hours of individualized mentoring on hackathon-related programming frameworks and languages
- Partnered with National Tech Administration in organizing 9 workshops, HackCOVID, and Techspire accelerator program
- Led a beginner Swift iOS and MIT App Inventor bootcamp to 25 students for two months

ADDITIONAL EXPERIENCE & AWARDS

- USA Computing Olympiad Gold (2020) - Promoted to gold after achieving perfect score in the International US Open
- [HackSMU](#) (2020) - 1st place State Farm sponsor award for creating a dynamic traffic management Flutter prototype that identifies and maps out areas of high road-side accidents or danger zones
- [EarthXHack](#) (2019) - 2nd place nationwide State Farm and Oxy sponsor awards for designing a Swift-based app that uses IoT sensor-based infrared radar and drone remote access to identify farmland with low water concentration

SKILLS/INTERESTS

- *Technical:* Python, Java, C#, C++, SQL, JavaScript, Node.js, React, React Native, Swift, GraphQL, Typescript, HTML/CSS
- *Design & Collaboration Software:* InVision, Maya Animation, Figma, Trello, GitHub, GitLab
- *Deployment and Cloud:* Firebase, AWS
- *Interests:* Cooking, Weightlifting, Fantasy Football, Videogame and 3D Arts Design, Stock Portfolio Management