# Quinn Armstrong

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## Education

**Texas A&M University** - *B.S. In Computer Science*                     **Aug 2018 - May 2022**

- **GPA:** 3.77
- **Minor:** Math
- **Leadership:** Brothers in Engineering, Science, and Technology (BEST) – Co-founder, Treasurer

## Experience

**Amazon Web Services (AWS)** – Software Development Engineer Intern          **May 2021 – Aug 2021**

- Team: Envision Engineering

**The Coding School** – Coding Instructor                     **Aug 2020 – Feb 2021**

- Taught students from underrepresented communities about Python fundamentals, Object-oriented programming, and Data Structures/Algorithms
- Volunteered portion of paycheck to support education among growing communities

**ChopStix** – Software Engineer Intern                     **May 2020 – Aug 2020**

- Developed backend API requests for user authentication, password reset handling, and account recovery using Django and Python
- Decreased driver login time by roughly 40% through management of SQL tables
- Implemented live location updates via WebSockets and Django Channels
- Established Channel Layer to sustain messages using Redis

**Texas A&M University** – Undergraduate Research Assistant          **Jan 2019 - May 2019**

- Delegated task of detecting early indications of Chronic Venous Insufficiency through Bioimpedance analysis device
- Led a small team of three to develop an IOS application using Swift
- Collaborated with Data and Hardware teams to centralize project

## Projects

**CookBook**
Independent Project

- Created web application that allows users to share and discover new recipes
- Supports user authentication, cookie sessions, image uploading, and database interaction
- Built using React, Node.js, Express.js, and Mongoose

**Football HOF QB Analysis**
Data Science Project

- Identified trends between Hall of Fame Quarterbacks using clustering and k-nearest neighbors classification model
- Represented findings through a heat map, cluster graphs, and line graphs

## Skills

**Languages:** Java, Python, C++, HTML, CSS, JavaScript
**Technologies:** Bootstrap, jQuery, Node.js, Express.js, React.js, MongoDB, SQL, Django, AWS
**Interests:** Finance, Probability, Trading, Distributed Systems, Cloud