CHADD YUAN

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EDUCATION

TUFTS UNIVERSITY   Medford, MA
Bachelor of Science in Computer Science; Minor in Finance   *May 2020*
3.72/4.00 GPA (cumulative); Magna Cum Laude

- Relevant Coursework: Algorithms, Big Data, Data Structures, Web Development, Programming Languages, Machine Learning, Machine Structure & Assembly Languages, Computational Theory, Team Software: Build a Product, Entrepreneurial Finance, Topics in Finance and Entrepreneurship, Innovation and Entrepreneurship

EXPERIENCE

REALTIME SPORTS   *December 2019 - Present*
Co-founder, Engineering Lead

- Personally designed and developed a beta sports entertainment app based on live game trivia and prizes
- Leading a team of 3 engineers to deliver a feature complete build using React Native, Firebase, and Redux
- Built a splash page and custom referral system with milestone prizes to capture emails: https://realtimesports.io/
- Developing an admin page with React.js for content teams to input questions and game data to send to Firebase
- Raised $1,500 in awards from the UMASS Innovation Challenge and Grinspoon Entrepreneurial Initiative
- Responsible for assigning tickets through Jira, guiding new developers, building core features, and working with co-founders to adjust our product roadmap based on a RICE scoring model

CUSEUM   Boston, MA
Software Development Intern   *May-October 2019*

- Developed a TripAdvisor web-scraper to streamline and expand lead generation using Scrapy
- Designed and developed a return on investment website for digital membership cards based on user inputs; boosted quality leads with google tags analytics and email capturing: https://calculator.cuseum.com/
- Enriched digital membership metrics with scripts to scan adoption rates and deduce key user groups using Ruby
- Led augmented reality app development for a neurological research study on how humans perceive art
- Implemented Python scripts to compare how 7 machine vision libraries described art for various museums
- Built proof of concept navigation app using spatial computation and image detection for the Harvard Art Museum

MIGMA SYSTEMS INC.   Walpole, MA
Software Engineering Intern   *Summer 2018*

- Led software development for MigmaDisplay™, a motion-triggered media viewer that plugs into any TV
- Communicated with hardware and sales team to coordinate an August product launch for MigmaDisplay™
- Integrated new UX features such as loading screens to ease customer concerns and a watchdog timer fail-safe

PROJECTS

POLITICAL POLARIZATION   *March 2019*

- Co-published featured Medium post on how Twitter can act as a metric in politics: https://tinyurl.com/y2qsmp4q
- Leveraged Twitter's API to analyze Trump's most commonly used phrases and found a clear movement from slandering opponents during the 2016 campaign season to a focus on foreign policy during presidency
- Developed a web-app hosting a dynamic histogram of sentiment scores for real-time tweets

ADDITIONAL INFORMATION

- **Programming Languages:** React Native, React, Redux, Python, JavaScript, HTML, CSS, Ruby, Swift, C, C++
- **Software/Tools:** Git, Flask, Scrapy, Firebase, Jira, ARKit, Adobe Creative Suite, Figma
- **Interests:** Car Design and Engineering, Oil Painting, Cinematography, Gardening, Cycling