

**EDUCATION****University of Massachusetts Amherst****Aug 2019 – May 2023**

- Pursuing B.A in Computer Science, with concentration in software engineering, In-major GPA, 3.7
- Pursuing B.B.A with concentration in Finance, In-major GPA, 4.0
- Pursuing minor in Communication with specification in media and cultures
- Courses: Prog. methodology, object-oriented prog., Algorithms, Prog. In C, Finance, Marketing, Media+Culture

**Employment****Software Development, Intern****AuCoDe (Automated Controversy Detection)****May 2021- Aug 2021**

- Automated social media scraping using snsrape, praw, psaw, selenium, and graphQL communication; simultaneously bypassing securities and improving time cost by 50% while staying in line with quality standards; python
- Designed and developed an interactive plotly dashboard using advanced algorithm design and data structures; capable of taking user input, supplying sentiment analysis, and an analysis of the top 10 keywords/hashtag over a user defined time period. Dashboard used by UMass research teams and sold to Fortune Global 500 companies
- Automated CI/CD pipeline as head of DevOps as well as git issue/branch creation using git actions, and the software development life cycle. Automation reduced tasks to an average of 8 seconds per task
- Established development culture by placing precedents on the development process including format, testing, github using gitflow, all while creating a collaborative cross-functional environment with the software, business, and product management sectors
- Performed large scale data analysis of over 20,000 social media posts on celebrity sentiment over a 6-month period and explored potential causes for differing sentiment from similar controversies: data engineering + data science

**Mobile Application Developer****Cities Gateway****Dec 2020 – Present**

- Designed homepage wireframe while collaborating with a diverse UX team, and developed home page using ionic6, angular, and typescript.
- Developed userPool backend code using AWS Cognito, that set configuration of user information, directing user information to database
- Worked within a small engineering team and flourished in an agile environment with action-oriented workflow

**Consulting Internship****Know Your Mind Consulting****Dec 2020 – May 2021**

- Serving Fortune 500 clients working across a range of business functions and industries, developing strong communication skills from engagements with customers
- Identified and defined clients' operating problems, assessed client needs and multitasked scoping engagements, designing and developing work programs, and proposing engagements
- Designed and documented end-product specifications that support downstream development

**TECHNICAL EXPERIENCE**

- **Mutual Fund Holding Value Analysis** (2021). Currently designing and developing program that analyzes the top 3 mutual funds in multiple sectors and calculates the intrinsic valuation of each stock holding using the Benjamin Graham valuation formula followed by percent under/overvalued and other stock information. Collected data is displayed on a plotly dashboard as well general stock information and option to invest in stocks through robin hood directly through the dashboard. Investments will be proportioned by user or through calculation based off overvaluation, Python, MATLAB
- **Mindful Reminder Card Set**: Designed wireframe template on basis of customer values after conducting human centered research on the meditation industry. Assisted in prototype design and user testing. Conducted SWOT analysis and focused product marketing

**ADDITIONAL EXPERIENCE AND AWARDS**

- **Misinformation Research**: Social science and computer science research on detection of controversial and hateful content; additionally improve understanding of misinformation and hate speech. Specifically focused on our nation's critical racial problems: Stop Asian Hate, Black Lives Matter Prof. Jonathon Corpus Ong
- **Mindfulness Research**: Assisted Prof. Shalini Bahl in mindfulness research with emphasis on human centered design creating multiple personas that fulfill the multiple customer-based values

**Languages and Technologies**

- C++, C, Java, HTML5, CSS; JavaScript, typescript, Python, MATLAB, Selenium, Git
- Fluent in Russian (Speaking)