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EDUCATION

STANFORD UNIVERSITY

B.S. Computer Science
2019-2023 | Stanford, CA
Coursework:
- Principles of Computer Systems
- Probability for Computer Scientists
- Design and Analysis of Algorithms
- Social Computing
- Artificial Intelligence: Principles and Techniques
- Introduction to Computer Graphics and Imaging
- Building for Digital Health
- Mixed Reality in Medicine
- Designing Serious Games

TJHSST

Thomas Jefferson High School for Science and Technology
2015-2019 | Alexandria, VA
Coursework:
- Artificial Intelligence 1 + 2
- Computer Vision 1 + 2
- Parallel Computing 1 + 2
- Mobile App Development
- Web App Development
- Multivariable Calculus
- Linear Algebra
- Mobile/Web App Dev Research

SKILLS

Programming Languages
Java, C#, HTML, CSS, Python, Javascript, C++, C, Swift

Tools
Node.js, React, jQuery, SQL, Electron, Git, Bootstrap, Angular, Vue.js, AWS, Azure, GCP, .NET, Kubernetes, HealthKit, Unity, Android Studio, OpenCV, MATLAB, Arduino, Soy, Google Analytics

AWARDS

- International Science and Engineering Fair 4th Place (2019)
- Conrad Challenge National Top 5 (2018)
- Regeneron Science Talent Search National Scholar (2018)
- Congressional App Challenge Winner (2017)
- NCWIT National Aspirations in Computing Award Top 41/3600+ (2018)
- Built By Girls Competition National Top 5 (2017)

EXPERIENCE

APPLE | AR Applications Software Engineer Intern | Spring 2021, Summer 2022

MICROSOFT | Software Engineer Intern | Summer 2021

- Developed front-end dashboard for telemetry data to enable 100+ engineers to easily visualize distributed tracing data across the org and key dependencies to speed up time diagnosing issues. Technologies used: Kubernetees microservice, ASP.NET, Blazor, and Azure Kusto queries.

ENGAGE HEALTH | Software Engineer | 2020 - Present

- Full-stack web/iOS developer working in the Stanford University School of Medicine on **Engage Health**, a digital health platform to aid neurological recovery for therapists and patients. Currently conducting a clinical study on patient recovery.

VANGUARD | Software Engineer Intern | Summer 2020

- Investment Management Fintech Strategies team - developed internal dashboard that displays financial data and metrics for Vanguard's investment management teams. Used several AWS services including Lambda APIs, Athena, Glue, S3, RDS, and CloudWatch.
- Data Science Competition Mentor - Mentored participants throughout internal company competition and worked on troubleshooting.

YEXT | Software Engineer Intern | Summer 2019

- Developed internal Yeoman generator tool to instantly create multiple category pages for company websites.
- Built store and locator webpages for Fortune 500 companies.

GEORGE MASON UNIVERSITY

Computer Science Research Intern | Summers 2017, 2018

- Designed machine learning algorithms to promote improved student learning and academic achievement in online classes. Filed for **patent**.
- Designed blockchain system to secure sensitive student information.

PROJECTS

ETRANSPLANT 2021

Developed an iOS app for post kidney transplant surgery to facilitate post-kidney transplant outpatient care by monitoring medication compliance, providing patient education, and collecting health data.

SESAME | Co-founder | 2020

Built a video calling desktop application that allowed friends to hang out spontaneously and recreated the experience of living in the same dorm together. 250+ users. **sesamecall.com**

QUEER CHART | Founding Software Engineer | 2019-2020

Developed online platform for queer women at Stanford to connect with one another and increase queer visibility. Launched beta platform with 200+ Stanford student users. **queerchart.com**

SMARTSLEEVE | Inventor/Founder | 2017-2019

Designed and built a novel knee tracking medical device for post-total knee replacement surgery with unique monitoring algorithms and smartphone app. Filed for **patent** and licensed to biomedical technology company.