

KANACHI WELI

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EDUCATION

Northeastern University/Boston MA

May 2024

Bachelor's in computer engineering, minor in Computational Data Analytics

Relevant Coursework: Cornerstone Engineering, II, Embedded Design, Networks, Discrete Structures, Calculus II, Data Science 2000, Probability and Statistics, Fundamentals of Computer Science.

Awards: Dean's List

SKILLS

Process: Machine Learning, Time Series Analysis, Data Mining, Visualization, Predictive Analysis, Field-programmable Gate Array (FPGA) boards/Schematic drawing, Object-Oriented Programming/Design, Full stack Web design, UI/UX design, Entity Framework.

Technical: HTML, CSS, JavaScript, React.js, C#, C++, .NET Core, MATLAB, Python, SolidWorks, Autodesk Inventor, AutoCAD, Quartus Prime 18.1, Figma, Docker, WordPress

Licenses: Azure Fundamentals (AZ-900), HTML Essential Training, LinkedIn Learning Python, Texas Life & Health Insurance, Python Basics (Hacker Rank), React.js

ACADEMIC PROJECTS

ART HEIST / Discrete Structures

Spring 2022

- Created a game using Logic gates to reveal pieces of an artwork based on random user input. Implemented Python NumPy and matplotlib library.

RACIAL DISPARITIES IN COVID-19 VACCINATIONS & INFECTION / DS 2000

Spring 2021

- Produced 2 data visualizations on Python displaying the correlation between Covid-19 vaccination rates & infection rates using CSV/Matplotlib libraries to create functions that clean data and display visualization

RUBE GOLDBERG MACHINE: THE PAPER OF SECRETS /Cornerstone Engineering, I-II

Fall 2020

- Designed a transporter Rube Goldberg machine remotely with a team of 4; developed procession and stress analysis of devices (SolidWorks), manufactured 3D printed parts, and integrated 2 servo motors, light sensors/photoresistors, automated car (Arduino code and Spark Fun Kits)

THE INTRICACIES OF THE PULP AND PAPER INDUSTRY / PACE

Sep 2019 – Mar 2020

- Constructed a 2D/3D modular skid digester model (AutoCAD and Fusion 360); dissected 2 previous Kraft pulping plant explosions.

WORK EXPERIENCE

HONEYWELL / Software Engineer Intern/ Atlanta, GA

Aug 2022 – Present

- Wire framed high, mid and low fidelity designs for a web newsletter portal for Productivity and Safety Solutions DevOps Team
- Deployed frontend and backend CI/CD pipelines using internal tools, Bitbucket, Bamboo, Azure Kubernetes Services and Docker
- Developed React App using React.Js and Content Management System with an SQL Server database and ASP.NET

NORTHEASTERN UNIVERSITY / Teaching Assistant/ Boston, MA

Jan 2022 – Present

- Assisted 34 students during lectures on graded assessments, and instructed during office hours (GE1111: Introductory course on C++, Arduino and MATLAB)

POWERED BY YOUTH / Executive Director/ Houston, TX

Jul 2022 – Dec 2022

- Managed 8 social media fellows approving graphic designs for apps and newsletter, employed data and trends to enhance youth engagement from < 100 viewers to 12k, and gained 300+ followers in a month

HARGROVE / Intern/Houston, TX

Sep 2019 – Mar 2020

- Constructed a 2D and 3D modular skid and digester model (AutoCAD and Fusion 360) and ASME; dissected 2 previous Kraft pulping plant explosions and pro. Reviewed material specifications(OSHA, ASCE, ASME, and TIP)

LEADERSHIP EXPERIENCE

NATIONAL BLACK SOCIETY OF ENGINEERS / Boston, MA

May 2021 – Present

VP of External Affairs/May 2022 – Present

- Finance Zone leader in charge of company outreach, managing corporate sponsorships, and relations between other NSBE chapter in the New England Region and Black student Organizations (BSO) on campus. Mentor students and provide homework help

Alumni Relations/May 2021 – May 2022

- Directed meetings among Black engineering students on professional development such as resume critics, elevator pitch workshops, and study sessions; and organized the Alumni Mentorship program

HUNTINGTON ANGELS NETWORK / Associate/ Boston, MA

Jun 2021 – May 2022

- Sourced ventures and provided a deal flow for investors and provided 10+ companies (pre-seed and seed) feedback on a pitch deck

PERSONAL HOBBIES / INTERESTS

Hobbies: Exercising, Sewing & Knitting, Music, Cooking, Baking

Interests: Data Analytics, Software Engineering, Cloud Computing, API, Machine Learning, Parts Manufacturing, Internet of Things (IoT), Full Stack Engineering, Web and Mobile Development