

KANACHI WELI

Houston, TX | 832.616.9260 | Weli.k@northeastern.edu | <http://www.linkedin.com/in/kanachi-weli> | <https://github.com/kanachiw> | <https://kanachiweli.me>

EDUCATION

Northeastern University/Boston MA

May 2025

Bachelors 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
- Technical:** C++, C#, MATLAB, Python, Arduino (Introductory), HTML, CSS, SolidWorks, Autodesk Inventor, AutoCAD, Altera Cyclone V, Quartus Prime 18.1, Figma
- Licenses:** HTML Essential Training, LinkedIn Learning Python, Texas Life & Health Insurance, Python Basics(Hacker Rank)

ACADEMIC PROJECTS

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 and 3D modular skid and digester model (AutoCAD and Fusion 360) and material specifications from OSHA, TIP ASME, and ASCE
- Dissected 2 previous Kraft pulping plant explosions, illustrated dangers, and suggests guidelines for Hargrove to avoid similar issues

WORK EXPERIENCE

HONEYWELL / Incoming Software Engineer Intern/ Atlanta, GA

Aug 2022 – Dec 2022

POWERED BY YOUTH / Executive Director/ Houston, TX

Jul 2022 – Dec 2022

- Strategized a text bank contacting 143,795 youth, breaking a single-day record for the number of texts sent by a voter registration organization
- 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

- Selected as 1 of 98 students from 8 schools in Katy ISD for Professional Advancement Through Career Education part-time internship at an engineering firm
- Researched and verified ASME, and ASCE citations for material specification topics and analyzed P&ID's

LEADERSHIP EXPERIENCE

COLLEGE OF ENGINEERING / Teaching Assistant/ Boston, MA

Jan 2022 – Present

- Assisted students during lectures, graded assessments, and supervised during office hours

HUNTINGTON ANGELS NETWORK / Associate/ Boston, MA Jun 2021 – Present

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

NATIONAL BLACK SOCIETY OF ENGINEERS / VP of External Affairs/ Boston, MA

Sep 2021 – Present

- 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

PERSONAL INTEREST & HOBBIES

Hobbies: Exercising, Sewing & Knitting

Interests: Data Analytics, Software Engineering, Cloud Computing, API, Machine Learning, Parts Manufacturing, Internet of Things (IoT)