Khang Le

Computer Engineer Student

B.S in Computer Engineering (candidate)

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PROFILE

I am a student at Boston University studying Computer Engineering. I enjoy software programming, but also dabble in between hardware programming as well. Programming is something I am extremely passionate about and I'm a curious learner, always striving to become the best computer engineer that I could be.

COURSEWORK

- **Intro to Engineering Design** (created a heart cell chamber)
- **Data Structures** and **Intro to Software Engineering** (object-oriented programming in C++)
- **Circuits** (circuitry designs, circuit theories and breadboard)
- **Intro to Logic Design** and **Intro to Computer Engineering** (computer components, operations, and logic; embedded programming with Vivado)

EDUCATION

B.S. in Computer Engineering (candidate)

Boston University | 2021 - present | GPA: 3.47

B.S. in Computer Systems Engineering (transferred)

Rensselaer Polytechnic Institute | 2020 - 2021 | GPA: 3.75

High School Diploma

Casco Bay High School | 2016 - 2020 | GPA: 3.71

SKILLS

- Fluent in Python and C/C++
- Experience with HTML/CSS and C#
- Verilog and VHDL (hardware programming)
- Knowledge of Assembly Code
- Writing software tests and debugging
- UNIX/Terminal
- Circuitry designs and theories

PROJECTS/EXPERIENCE

Heart Cell Chamber

Sophomore Year College (2021)

- Experience with 3D modelling, embedded programming (Arduino Uno), designing circuits under constraints, soldering and manufacturing.
- Working in a team with various fields of expertise.
- Client interviews, develop list of constraints and objectives.

FPGA Programming

Freshman Year College 2020

- Coded in VHDL and Verilog with FGPA boards
- Designed adders, counters, flip flops, multiplexers, and worked with 8 segment displays
- Proficiency at writing testbenches

Web Design / Software Engineering

Sophomore Year College (2021 - 2022)

- Designed own personal website (HTML/CSS), uses HTML elements/tags, hyperlinks, and CSS designs.
- Developed mobile apps in C# (calender/scheduling app)