

# CHANRITHYA NOLAN NGIM

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## EDUCATION

### Boston University

*Bachelor of Arts in Computer Science*

### Wentworth Institute of Technology

*Bachelor of Science in Computer Science*

Present

*Expected Graduation: 2026*

September 2022 – April 2023

*Freshman GPA: 4.00/4.0*

## PROJECTS

### Stateline News | *MongoDB, Express.js, React.js, Node.js*

May 2024

- Developed a **full-stack MERN** (MongoDB, Express, React, Node.js) app which queries the **Library of Congress API** to dynamically render a news directory with over **4,000 newspapers** listing, filtering capabilities by **state** and **LCCN**.
- Implemented a **MongoDB database** to securely store and organize user information for a mailing list subscription feature.

### Mindful Distraction | *JavaScript, HTML, CSS, Chrome API*

April 2024

- Created a **Google Chrome extension** with **HTML, CSS, and JavaScript** to promote focused work by visually representing distractions through a counter and a dynamically generated canvas, reminding users to take a break, encouraging mindfulness.
- Leveraged **Chrome's API** for storage capabilities to retain state and memory, ensuring seamless user experience.
- Published extension on Chrome Store, garnering **10 users** and **4 five-star** reviews for its unique but simple approach to combating distractions.

### Interactive Command-Line Business Card | *Node.js, npm, JavaScript*

April 2024

- Developed an interactive **command-line business card** using **Node.js** and **npm**, leverage libraries such as **ora**, **chalk**, **boxen**, **inquirer**, and **open** to display personalized information.
- Implemented features such as loading spinners with **Ora**, URL opening with **open** library, and **npm** to organize project dependencies, resulting in a visually interesting business card.

## EXPERIENCE & EXTRACURRICULAR

### Boston University's BUILD | *Elementary School Tutor*

February 2024 – Present

- Tutored and provided academic support to over **60 students** in 3rd, 4th, and 5th grade classes, conducting both 1-on-1 sessions and leading group activities of up to **20** students.
- Demonstrated exceptional communication in breaking down concepts into **easy-to-understand** explanations tailored to different learning styles, ensuring comprehension among students.

### Wentworth's Asian Student Association | *1st Year Representative*

January 2023 – April 2023

- Organized an Asian Culture Festival attended by **100+** by leading transportation/logistics, setup/cleanup, material security, and satisfaction.
- Boosted club's general members by **5** through spreading word-of-mouth and engaging with fellow 1st years.
- Led a meeting discussing the Asian Diaspora, encouraging open dialogue among members by leveraging personal experiences of moving.

### KSA Design Studio | *Specification Assistant*

June 2021 – September 2021

- Assisted principal interior designer on a commercial project for a **high-end hotel**, contributing in **design object specifications** and **organization**.
- Compiled and **organized** specifications for over **70** design objects across product catalogs, streamlining work process through efficient data entry in **Microsoft Word** and **Excel**.
- Ensured accuracy by **vigilantly cross-verifying** item specifications against original catalogs and **proactively communicating** any discrepancies to principal interior designer, **maintaining data integrity**.

## SKILLS & INTERESTS

**Technical:** Python, Java, Javascript, TypeScript, HTML, CSS, XML, React / React Native, Express / Node.js, HTTP, MongoDB, RESTful API,  $\LaTeX$

**General:** Git, Github, OOP, Responsive Web Design, UI Development, Database Management, Functional Programming, Asynchronous Programming, UI Library (Material UI, Bootstrap, Next)

**Language:** English (Native), Khmer (Native)