

# Louis Ton

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## Education

### UNIVERSITY OF WASHINGTON

Seattle, WA

BS in Informatics: Data Science, Software Development.

September 2020-June 2024

Minor in Applied Mathematics

Coursework: Data Structures and Algorithms, Advanced Methods in Data Science, Databases and Data Modeling, Web Development, Applied Linear Algebra, Intermediate Programming Tools and Concepts, Software Architecture

## Skills & Interests

### Technical:

**Frontend:** HTML/CSS, Javascript, React, Kotlin | **Backend:** Node.js, Express, Websockets, Firebase, SQL, MongoDB |

**General:** Java, R, Python, Figma, Agile, Jest, Git Version Control, Bash, Project Management, Full-Stack Development, Azure, Tableau

**Languages:** English, Cantonese(Elementary Proficiency)

**Laboratory:** UX Research, Prototyping, Interviewing, Usability Testing, Exploratory Data Analysis, Modeling

**Hobbies:** Cooking, Volleyball, Music Production

## Projects

### HazingInfo.org

Winter 2024

- Bootstrap a database website sponsored by the non-profit HazingInfo.org
- Lead management and development of a hazing incident resource for college institutes across the United States
- Bridge stakeholder communication between the student team and the extended team of 12 members
- Attended the NASPA conference, conducting over 80 usability testing interviews

Tools used: Softr, Airtable, Design Thinking, AGILE

**Fantasy Football Prediction Model** | Python, BeautifulSoup, Sci-kit Learn, Pandas, Numpy

**TuneSmith - Android Mobile App** | Android, Kotlin, Spotify Web API, SDK, Authentication, XML

**Personal Finances-** Fullstack web app | Next.js, Docker, dbt, Plaid API, Prisma ORM, Postgres, API routing

**Doodlephone** - Real-time web game | HTML/CSS, Javascript, Express, WebSockets, API, MongoDB, NoSQL

## Experience

### Nuubi | App Developer Intern

(Remote) June 2024 - Present

- Enhancing React Native codebase through feature implementation and debugging for LMS ed-tech startup
  - Providing technical expertise to design team around feature implementation feasibility
  - Present the CEO brief progress reports and pull requests around complete backlog items
  - Collaborating through Kanban workflow management limiting work in progress to reduce overloading

### Juni Learning | USACO Instructor and Trainer

(Remote) August 2021- Present

- Preparing high-school students for national USACO competition and test instructors for course teaching eligibility
  - Developing strategies to simplify explanations about abstract and complex problems to improve student understanding of coding concepts
  - Fostering independence and critical thinking in students by experimentation, evaluating student interests to apply them to open-ended projects, and engaging students to provide logical reasoning and reflect on programming concepts
  - Analyze instructor approaches to high-level algorithmic problems, giving an educated and unbiased recommendation to human resources for teaching certification

### The Information School, UW | Undergraduate TA

Seattle, WA December 2023 - June 2024

- Assisting in undergraduate learning of technical foundations (INFO201) and mobile development (INFO448)
  - Leading quiz sections focused on reinforcing course concepts from lectures
  - Organizing the needs of 35 students to support each student's initial knowledge and learning methods
  - Advocating for students to the professor in the structuring of course content for improved student comprehension