

DOMINICK TA

Ethnic Studies & Computer Science Student, Engineer, and Educator

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Seattle, WA

SELECTED PROJECTS

Teaching the Internet Better

Developed and taught accessible educational material on how the Internet works ([Video](#))

HomePi Assistant

Developed Raspberry Pi smart home assistant accessible via radio ([GitHub](#))

Character-Level NLP Model

Developed a language-agnostic character prediction model on class-wide Pareto frontier that achieved an average accuracy of 56% on 9 unknown languages ([Project summary](#))

EXPERIENCE

University of Washington - Teaching Assistant

July 2022 - Dec 2022

Teaching assistant for CSE 351: The Hardware/Software Interface

- Developing new course materials to provide historical perspectives on computing
- Held weekly quiz section review for 20 students and weekly office hours
- Graded weekly assignments and exams

F5 Networks - Software Engineer Intern

June 2021 - Sep 2021

Member of Common Engineering and Development Infrastructure Group in the Office of the CTO.

- Incubated new research initiative and university partnership with CTO, VPs, & Architects
- Assisted with unexpected challenges during company-wide production GitLab upgrade
- Co-developed SLO performance dashboard for the services that our team provides

Seattle Community Network - Lead Volunteer

Oct 2020 - Present

The Seattle Community Network shares free or low-cost Internet access to areas in need.

- Deployed 4G LTE cell sites, core networks, and wireless access points
- Assisted with digital stewards technical training program for adults and adolescents
- Manage web development team in redesign process & deployed documentation website
- Recruited and onboarded new volunteers & developed new organizational partnerships
- Coordinated with social media team to publish regular ads & technical education posts

Khmer Student Association - Fundraising Chair

Oct 2019 - June 2020

UW Khmer Student Association is one of the largest Cambodian student organizations in the US.

- Converted financial deficit into upward trend, procuring \$10,000 in funds and grants
- Led strategic response to COVID-19 pandemic, preventing a \$5,000 loss in grants
- Organized 4 mid-sized events (50+ people) and 2 large conferences (150+)
- Co-wrote play with a cast of over 30 actors and dancers ([Script](#)) (canceled by COVID)

EDUCATION

University of Washington

M.S. in Computer Science

SEP 2022 - JUNE 2023

University of Washington

B.A. in American Ethnic Studies

B.S. in Computer Science

SEP 2018 - JUNE 2022 | GPA: 3.88

Carnegie Mellon University

Public Policy & International Affairs

Data Analytics Fellowship

JUNE 2020 - AUGUST 2020 | QPA: 4.0

AWARDS

Wisniewski Endowed Scholarship

Paul G. Allen School of CSE, 2022

Washington State Opportunity Scholar

University of Washington, 2018-2022

Class of 1962 Endowed Scholarship

UW Alumni Class of 1962, 2021

Hellmut Golde Endowed Scholarship

Paul G. Allen School of CSE, 2020

Best Unofficial TA

Public Policy Fellowship Peers, 2020

Branching Out Award

University of Washington, 2020

Dean's List

University of Washington, 2018-Present

Leadership 1000 Scholarship

University of Washington, 2018-2021

OTHER EXPERIENCES

Tennis Salesperson

Racket Technician

UW Surplus Data Sanitization

Volunteer Tennis Coach

UW-CHS Dream Project Mentor