

Dominick Ta

Graduate student with research focus on computer networks and tech for good

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EDUCATION

University of Washington

M.S. in Computer Science

Seattle, WA

Sep 2022–Present

University of Washington

B.A. in American Ethnic Studies

B.S. in Computer Science

Honors: Cum Laude, GPA: 3.88/4.00

Seattle, WA

Sep 2018–Jun 2022

Carnegie Mellon University, College of Information Systems & Public Policy

Public Policy & International Affairs Data Analytics Fellowship

Honors: Best Unofficial TA, QPA: 4.0/4.0

Pittsburgh, PA

Jun 2020–Aug 2020

EXPERIENCE

NASA Glenn Research Center

Graduate Research Intern

Cleveland, OH

Jun 2022–Aug 2022

- Improve Delay-Tolerant Networks via experimental protocol translation & load balancing

University of Washington

Teaching Assistant (CSE 351, Hardware/Software Interface)

Seattle, WA

Fall 2021, Fall 2022

- Instructed weekly section review for 20 students, held weekly office hours, and graded labs and exams

F5 Networks

Software Engineer Intern

Seattle, WA

Jun 2021–Sep 2021

- Developed full-stack web application to monitor SLO performance of 20+ internal services
- Assisted with unexpected challenges during company-wide production GitLab instance upgrade

UW ICTD Lab & Local Connectivity Lab

Student Research Assistant

Seattle, WA

Oct 2020–Present

- Deployed 4G LTE cell sites, core networks, and wireless access points for community networks
- 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

SELECTED PROJECTS

Sparks & Rec: The Eagle Creek Fire's Effect on Outdoor Recreation, Data Visualization Course

2022

Worked with UW Outdoor Rec & Data Lab to develop intuitive visualizations of complex data ([Web](#))

Teaching the Internet Better, Community Networking Capstone

2021

Developed and taught accessible educational curriculum on how the Internet works ([Blog Post](#))

HomePi Assistant, Wireless Communication Course

2021

Engineered a smart home assistant accessible via FM radio with Raspberry Pi & SDR ([GitHub](#))

Character-Level Prediction - Deep Learning Model, Natural Language Processing Course

2021

Trained a language-agnostic deep learning unicode-character prediction model on class-wide Pareto frontier that achieved an average accuracy of 56% on 9 unknown languages ([Write-up](#))

HONORS & AWARDS

Nominee, College of Arts & Sciences Dean's Medal in Social Science , American Ethnic Studies	2022
Students' Choice Award - Sparks & Rec , UW CSE 512: Data Visualization	2022
Wisniewski Endowed Scholarship , Paul G. Allen School of Computer Science & Engineering	2022
Class of 1962 Endowed Scholarship , University of Washington Alumni Class of 1962	2021
Hellmut Golde Endowed Scholarship , Paul G. Allen School of Computer Science & Engineering	2020
Branching Out Award , University of Washington Samuel E. Kelly Ethnic Cultural Center	2020
Washington State Opportunity Scholarship , WSOS	2018–2022
Leadership 1000 Scholarship , College Success Foundation	2018–2021

OTHER EXPERIENCES

Tennis Racquet Stringer & Salesperson , Avanti Sports	2019–2020
Fundraising Chair , UW Khmer Student Association	2019–2020
Data Sanitation , UW Surplus	2018–2019
Volunteer Tennis Coach , Amy Yee Tennis Foundation, Seattle Parks & Rec, Sports in Schools	2016–Present

KNOWLEDGE & SKILLS

Languages: English (Fluent), Vietnamese (Elementary), Teochew (Elementary)
Networking: OpenFlow, P4, Cellular (4G/5G), ARP/IP, DNS, Routing Protocols, DTN/BP
General-Purpose Programming: Java, Python, C#, Golang
Web: HTML, CSS, JS