Dominick Ta

Graduate student with focus on computer networks and tech for good

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EDUCATION

University of Washington   **Seattle, WA**
M.S. in Computer Science   *Sep 2022–Present*

University of Washington   **Seattle, WA**
B.A. in American Ethnic Studies   *Sep 2018–Jun 2022*
B.S. in Computer Science
Honors: Cum Laude, GPA: 3.88/4.00

Carnegie Mellon University, College of Information Systems & Public Policy   **Pittsburgh, PA**
Public Policy & International Affairs Data Analytics Fellowship   *Jun 2020–Aug 2020*
Honors: Best Unofficial TA, QPA: 4.0/4.0

EXPERIENCE

NASA Glenn Research Center   **Cleveland, OH**
Graduate Research Intern   *Jun 2022–Aug 2022*
- Improve Delay-Tolerant Networks via experimental protocol translation & load balancing

University of Washington   **Seattle, WA**
Teaching Assistant (CSE 351, Hardware/Software Interface)   *Fall 2021, Fall 2022*
- Instructed weekly section review for 20 students, held weekly office hours, and graded labs and exams

F5 Networks   **Seattle, WA**
Software Engineer Intern   *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   **Seattle, WA**
Student Research Assistant   *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: SDN (OpenFlow, P4), Cellular (4G, CBRS), ARP/IP, DNS, Routing Protocols, DTN/BP
Programming: Java, Python, C#, Golang, HTML, CSS, JS, D3.js, Vega/Altair
Other: Machine Learning, Docker, Kubernetes, GitLab CI/CD, Linux, Vim
Soft Skills: Communication, Teaching, Organization, Time Management, Flexibility