Mitchell L. Dang

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EXPERIENCE

Frontend Developer Internship, *KyFlex* **January 3 – Present**

- Attend agile development cycle. Design intuitive UI/UX.
- Utilize React.js to develop features for booking system and payment that communicate with the backend written in Django.
- Report bugs and collaborate with the backend team to fix them.
- Technologies: Git, *Stripe, React.js, HTML, Sass, Photoshop, Figma, APIs, Google Cloud Platform, Python.*

Web developer & event coordinator, *University of Washington Bothell chapter of ACM* **March 2020 – Present**

- Maintain and develop website for club events. Technologies*: Git, HTML, XML, CSS, JavaScript, Bootstrap 4.5, Git.*
- Co-host UWB ACM – Allen Institute for Brain Science programming contest UWBCode 2020 on HackerRank with 100+ contestants from colleges in the Pacific Northwest.

Self-employed, *Freelancing Tutor* **Summer 2019**

- Math and programming tutor for middle school students.

EDUCATION

University of Washington Bothell **September 2019 – April 2021 (expected)**

- Bachelor of Science in Computer Science & Software Engineering
- Dean's list 3x.

Cascadia College **Class of 2019**

- Associate Degree in Integrated Studies, President's Honor Graduate.

PROJECTS

Generating Hints for Programming Problems Without a Solution, *ACM SIGCSE 2021 Paper* **Jan 2020 – Sep 2020**

- Focused on training a model to learn and solve coding problems by utilizing BERT. The model generated for problems on LeetCode and HackerRank has the accuracy up to 75%. The paper is accepted by ACM SIGCSE 2021.

MyGuru **December 2020**

- Created a simple application hosted on Azure allowing users to retrieve weather data and fun facts in a specific location imported from its web interface. Data for the application is fetched from OpenWeather, Wikipedia using provided APIs. Technology: Azure, C#, APIs.

Leet Programming*, Stepik course* **December 2019 – Summer 2020**

- Prepared lessons for Leet Programming, an algorithm course on Stepik with 140+ learners to enhance computer science education led by UWB Prof. Yusuf Pisan.

Complete Bus System (CBS) **January 2020**

- Created a scalable relational database for public transportation hosted on AWS. CBS supports transit companies in managing employees and routes. Technologies*: Python, T-SQL, Git, AWS Beanstalk.*

The Rubic Shoes **Honored in Embedded System, Vietnam Science & Engineering Fair 2016**

- Created smart shoes to resolve visual impairment-related issues. Improved user's motion by at least 5% by utilizing echolocation technology. The shoes send out warning sounds and vibration for possible obstacles within 12 feet, effective angle +/- 15 degree. Technologies*: C, ultrasonic sensors, Arduino.*

SKILLS/CERTIFICATES

- **Other skills**: HTML/XML, SQL, C/C++, C#/.NET, AWS S3, MongoDB, Java, Google Apps Script, Agile, Linux, Windows, Git, problem solving, critical thinking, unit testing
- **Certificates**: Machine Learning by Stanford University (Coursera), LinkedIn skill assessment for C, Git.