

**School Address:**  
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**TRANG HA**  
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**Address:**  
193 Highland Street  
Worcester, MA 01609

**OBJECTIVE:** Full time position in Computer Science  
**Summary:** An energetic and determined young girl in Computer Science field who is willing to take on new challenges and strive to find novel perspectives on problems

**EDUCATION:** **Worcester Polytechnic Institute (WPI)**, Worcester, MA  
**BS in Computer Science, Minor in Statistics**, GPA 3.9/4.0 (May 2019)

**PROJECTS:**

**Battle of Gettysburg Simulation Game**, WPI, August – October 2017

- Develop Java back-end logic for a desktop game simulating the Gettysburg battle, using different design patterns like Factory, Strategy and State patterns.
- Utilize Test-Driven Development (TDD) in implementation.

**Letter Craze**, WPI, October – December 2016

- With a team of 5 members, develop a desktop game which allows players to create words from randomly generated letters, using MVC model, Java Swing UI for implementation.

**Fuller Laboratory Building Database**, WPI, August – October 2017

- Design a database for the Fuller building map.
- Implement constraints and triggers for future usage of the map.

**Meeting Buddy**, WPI, December 2017 – March 2018

- Lead a team of 5 to create an Android app for making, managing meetings
- Design the application's UI/UX.

**SKILLS:**

**Programming languages:** Java, C, HTML, CSS, Javascript, SQL, Python  
**Relevant courses:** Software Engineering, Object-oriented Analysis, Databases System, Operating System, Algorithms, Mobile & Ubiquitous Programming.

**EXPERIENCE:**

**Research Assistant**, Prof Anh Ninh, College of W&M, May-August 2018

- Preprocess data from collected CSV files into Matlab readable tables.
- Assist in conducting research in machine learning; testing different linear regression methods including variations of Ridge shrinkage methods.
- Perform root cause analysis of computational issues. Find mitigation solutions.

**Teaching Assistant**, Frontiers, Launch Summer Program, WPI, July-August 2017

- Assist in introducing high school students in Computer Science to Web Development. Set up Raspberry Pi's for use in the class.
- Helped students create the first website of their own.

**Student Assistant**, Computer Science Department, WPI, August 2016 – present

- Hold office hours to resolve students' ambiguities and problems with course.
- Manage computer labs.

**Web Master**, Vietnamese Student Association, WPI, January 2016 – Jan 2017

- Monitor the cultural club's website and TechSync page.
- Plan with public relations regarding advertisement of club's events.

**ACTIVITIES:**

**Women in Computer Science**, WPI, Oct 2015 – Present

- Participate in technical discussions on different aspects of Computer Science.

**HONORS:**

**Tiger Women Swallowtail Scholarship**, WPI, April 2016  
**Charles O. Thompson Scholar**, WPI, March 2016.