**Tya Chuanromanee**PhD Student in HCI

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tee.codes

**01. EDUCATION**

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| Expected 06/2023 |  | **University of Notre Dame,**Notre Dame, IN  *PhD: Computer Science*  GPA: 3.909  Human-Computer Interaction  Advisor: Ronald Metoyer |
| 06/2018 |  | **Kettering University,** Flint, MI  *BSCS: Computer Science with Economics minor*  GPA: 3.95, Summa Cum Laude, Dean’s List  Upsilon Pi Epsilon Computer Science Honor Society, Member  Thesis: *Diagnostic Assistance Software for Mental Healthcare Providers,* Pass With Distinction |
| 09/2014 – 05/2015 |  | **Milwaukee School of Engineering,** Milwaukee, WI  Mechanical Engineering major  GPA: 3.91, Dean’s List with High Honors |

**02. SELECTED EXPERIENCE**

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| 08/2018 – pres. |  | **Graduate Research Assistant**  **University of Notre Dame,**Notre Dame, IN   * Conduct and analyze semi-structured interviews to inform design of a health application * Create and evaluate paper and digital prototypes * Design and implement Mechanical Turk experiments to evaluate cognitive biases * ﻿Design and conduct user studies and participatory design workshops * Built a mobile breathing visualizations tool and performed usability testing to evaluate its effectiveness |
| 08/2018 – 05/2019 |  | **Graduate Teaching Assistant**  **University of Notre Dame,**Notre Dame, IN   * Graded and gave feedback on student homework in Programming Paradigms course * Held regular office hours * Advocated for students and serve as a liaison between professors and students |
| 06/2017 – 06/2018 |  | **Undergraduate Research Assistant**  **Kettering University,**Flint, MI   * Wrote and implemented image analysis techniques including Elliptical Fourier Descriptors and landmark analysis * Write data analysis scripts including principal component analysis using Matlab * Set up and managed version control and project timeline using Git and GitHub * Presented work at REU Symposium in Flint, MI, and at MASAL conference in Mount Pleasant, MI * Work published in Applications in Plant Sciences |
| 10/2016 – 06/2018 |  | **Peer Tutor**  **Kettering University,**Flint, MI   * Supported students' academic progress through tutoring in both individual and group settings * Obtained Level 2 Tutor certification from College Reading and Learning Association |
| 01/2016 – 03/2017 |  | **Software Engineer Co-op**  **Robert Bosch, LLC,** Plymouth, MI   * Wrote and supported customer and internal scripts in Python, Perl, and VBA * Tested embedded software modules in ASCET Database using code coverage analysis * Implemented CERT analysis system for project-wide security assessment |

**03. SKILLS**

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| Programming and Web Development |  | Python, HTML, CSS, PHP, JavaScript, MySQL, Bootstrap, Django, Drupal, Wordpress, C, Java, MATLAB, SQL, Haskell, Perl, VBA |
| Research Methods |  | Open Coding, Affinity Diagramming, Participatory Design, Semi-Structured Interviews |
| Design and Prototyping |  | Atlas.TI, Saturate, Figma, Git, Adobe Photoshop, Usability Testing |

**04. SELECTED HONORS AND AWARDS**

GEM Associate Fellowship (2019 – 2020)  
James and Eileen Simon Graduate Fellowship (2018 – 2019)  
Outstanding Thesis Award (2018)  
President’s Medal (2018)  
Donald Miles Memorial Scholarship (2017 – 2018)

**05. SELECTED PUBLICATIONS**

Metoyer, R. A., **Chuanromanee, T. S.,** Zhi, Q., Girgis, G. M., Kinyon, E. 2020. Supporting  
Storytelling With Evidence in Holistic Review Processes: A Participatory Design Approach. Forthcoming.

**Chuanromanee, T. S.,** Cohen, J. I., & Ryan, G. L. 2019. Morphological Analysis of Size and  
Shape (MASS): An integrative software program for morphometric analyses of leaves. Applications in Plant Sciences, e11288.