

Kathleen Law

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OBJECTIVE *To obtain a position in software engineering or data analysis, leveraging experience from undergraduate research, as well as a variety of specialized coursework and projects.*

EDUCATION **Worcester State University**, Worcester, MA
Bachelor of Science Degree *Expected May 2019*
Computer Science Major, Software Development Concentration
Major GPA : 3.88/4.00

RELEVANT COURSES

- Software Quality Assurance and Testing
- Software Process Management
- Software Design, Construction, and Architecture
- Algorithm Analysis
- Discrete Structures
- Data Structures
- Operating Systems
- Computer Organization and Architecture
- Unix Systems Programming
- Computer Networking, Security, and Databases
- Database Design and Applications
- Health Informatics
- Data Mining
- Management of Healthcare Information Systems (graduate-level)
- Statistics

TECHNICAL SKILLS

Proficient In : Java, C, Git, Scrum, Unit Testing, SQL, R, HTML, Microsoft Office
Basic Familiarity With : Python, TypeScript, Angular, RESTful API, Weka

RELEVANT EXPERIENCE

Undergraduate Researcher : DePaul University Jun 2018 - Aug 2018
Participated in research full-time, as part of the National Science Foundation Research Experience for Undergraduates program. Presented findings and progress weekly. Met with fellow undergraduates and esteemed professors in the field of research. Completed a research paper as a second author, which was submitted and accepted for publication.

Peer-Assisted Learning (PAL) Mentor : WSU Jan 2018 - Dec 2018
Planned and conducted weekly extra-help group sessions related to the Introduction to Programming and Discrete Structures 1 courses offered at WSU. Regularly attended course lectures and met with professors of the courses, as part of planning sessions.

RESEARCH PROJECTS

Detecting and Characterizing Trends in Online Mental Health Discussions : DePaul University Jun 2018 - Aug 2018
This research pertained to the detection and extraction of informal topics present in mental health forums on the social media site, Reddit. The team tracked these topics over time and examined the various patterns regarding the changing prevalence of different topics of discussion.

- **Tools:** Python, R, Word2Vec, LIWC

PUBLICATIONS D. Chakravorti, K. Law, J. Gemell and D. Raicu, "Detecting and Characterizing Trends in Online Mental Health Discussions," 2018 IEEE International Conference on Data Mining Workshops (ICDMW), Singapore, Singapore, 2018, pp. 697-706. doi: 10.1109/ICDMW.2018.00107, URL: ieeexplore.ieee.org/document/8637397

ADDITIONAL ACTIVITIES

- Executive Board Member of WSU Math Club, Sep 2018 - present
- Member of WSU Programming Team, competed in CCSCNE Programming Contest, Jan 2018 - Apr 2018
- Attended OurCS research workshop in Pittsburgh, Oct 2017
- Cellist of WSU Chamber Orchestra, Nov 2016 - Jan 2017

INTERESTS

- reading
- self-teaching various computing tools and technologies
- playing piano/cello