Joseph Shoyer

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EDUCATION

UNIVERSITY OF MICHIGAN   **Ann Arbor, MI**
Bachelor of Science in Engineering in Computer Science   *Expected Graduation: April 2022*
- GPA: 3.73/4.00
- Dean's List: Fall 2018, Winter 2019, Fall 2019
- Engineering Global Leadership Honors Program
- Relevant coursework: Data Structures and Algorithms, Programming & Intro to Data Structures, Discrete Mathematics, Computer Science Pragmatics, Probability and Statistics for Engineers

EXPERIENCE

PayUp App   **Chevy Chase, MD**
Founder and Lead Developer   *May 2019 – Present*
- Devised a social group payments mobile application for splitting payments and managing budgets through a central credit bank using Adobe PhoneGap hybrid WebApp technology
- Engineered a functioning user interface through which to display payment and group information

Camp Ramah in New England   **Palmer, MA**
Special Needs Counselor   *June 2018 – August 2018, June 2019 – August 2019*
- Led programming for a group of special needs individuals, including coordination with a team of psychologists and inclusion experts, to provide for their safety, recreation, and vocational goals
- Planned inclusive camp-style activities such as a multi-day "Mars Mission" project including a wide array of tasks to appeal to a group of individuals with a diverse set of needs and limitations. Activities included games friendly to non-verbal and physically disabled campers like arts, music/dance, chemistry games, and more
- Designed inclusion-based programming for neurotypical campers to increase empathy towards campers with special needs, including a new sensitivity training program focused on older campers

Wolverine Blockchain   **Ann Arbor, MI**
Director of Marketing   *Sept 2018 – Present*
- Managed Michigan's premier blockchain club's efforts to spread awareness and understanding about burgeoning distributed ledger technology, financial technology, and technological social change
- Designed marketing materials, such as pamphlets and infographics, to be distributed at key locations of foot traffic as well as online, leading to the largest semester of recruitment in club history

Technion University SciTech   **Haifa, Israel**
Research Team Member   *July 2017 – August 2017*
- Contributed to ongoing research within the Technion Department of Civil Engineering regarding the use of bacterial biofilms to purify water of heavy metals from industrial runoff through the completion of a study of the efficacy of one extremophilic bacteria prone to biosorption of heavy metal ions
- Discovered a preliminary absorption rate of up to 50% of the contaminants, showing the potential for a cleaner and cheaper method for filtering contaminated water more suited for developing nations

SKILLS

- *Technical Skills*: G Suite, HTML/CSS, Git, Adobe PhoneGap, Test Driven Development frameworks
- *Programming Languages*: MATLAB, C++, C#, Python, JavaScript, jQuery
- *Languages:* Fluent in Hebrew, conversational in Mandarin Chinese and Spanish

ACTIVITIES & INTERESTS

- *Ultimate Frisbee:* Michigan Men's Club Ultimate team member and treasurer   *October 2018 – Present*
- *Drums:* Jazz and Blues soloist, Jazz Ensemble member   *November 2007 – Present*