Kalju Jake Nekvasil

kajnekvasil@gmail.com | (727) 597-2862 | kajnekvasil.com

Education

University of Massachusetts - Amherst, *Amherst, Massachusetts*   **Major GPA 3.2**
Bachelor of Science, Mathematics   **Cumulative GPA 3.05**
Double Concentration in Computational and Applied Mathematics

Skills

- **Programming:** Python, Java, Objective C
- **Web Development:** HTML, CSS, JavaScript, Bootstrap, Flask
- **IDEs:** IntelliJ, Eclipse, Visual Studio, Xcode, PyCharm
- **Other:** Git, SQL, Matlab, R

Applicable Coursework

- Multivariate Calculus I
- Multivariate Calculus II
- Differential Equations
- Linear Algebra I
- Linear Algebra II
- Data Structures and Algorithms I
- Data Structures and Algorithms II
- Statistics I
- Numerical Methods I
- Numerical Methods II
- Discrete Math I
- Group Theory
- Combinatorics
- Mathematical Modeling
- Technical Writing

Projects

- **ThroStatz:** iOS app that collects data off of the Apple Watch accelerometer, parses it into a CSV file, and uploads CSV data to a WebApp.
- **Shorecrest Maps:** iOS app that aggregates and displays logistical information for students regarding faculty and building location for Shorecrest Preparatory School.
- **Interom:** Rudimentary Python chess application that initializes and displays a functioning chess board.
- **SpeedTyper:** WebApp that informs users of their typing speed as well as allows them to compete with one another.

Personal

- American citizen, native English speaker.
- Enjoys programming competitions and hackathons.
- Fan of soccer, chess, and cryptocurrency.