

# Kevin J. Murphy

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## EDUCATION

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### Swarthmore College, Swarthmore, PA

- Current GPA: 3.66
- Candidate for Bachelor of Arts in Honors Mathematics and Linguistics, May 2019
- *Relevant Coursework:* Algorithms, Natural Language Processing, Computer Systems, Data Structures & Algorithms, Complex Analysis, Real Analysis, Modern Algebra, Honors Multivariable Calculus, Honors Linear Algebra, Geometry, Econometrics, Field Methods, Syntax, Semantics, Phonetics & Phonology, Linguistic Typology
- Member, Swarthmore Men’s Varsity Soccer (Sophomore – Junior years, Centennial Conference Academic Honor Roll)
- Member, Swarthmore Men’s Club Soccer (Freshman & Senior years)
- Member, Phi Psi Fraternity

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## WORK EXPERIENCE

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### Google Summer of Code / Apertium

Software Development Intern

April 2018 – August 2018

- Redesigned and implemented an open source, in-browser, language-independent tool for annotating large collections of texts using JavaScript and SQLite3
- Developed a server-side backend to facilitate the loading and storing of annotation data and UI preferences
- Created a terminal tool for importing, exporting, and editing annotated corpora in multiple data formats
- Presented to, and coordinated with, academic mentors at Swarthmore College and the National Research University Higher School of Economics in Moscow, Russia

### Swarthmore College, Swarthmore, PA

Lab Assistant, Laboratory for Endangered Languages Research and Documentation

May 2017 – present

- Worked with Professor K. David Harrison on various projects related to the Talking Dictionaries Project
- Helped to develop a talking dictionary for several endangered language communities
- Worked on website development, database management, AWS cloud hosting, transcription, and an interactive mapping interface

Information Technical Services Associate

June 2016 – September 2016

- Worked with students, faculty, and staff to solve issues related to the College’s technical services over the phone and in person
- Delivered and configured, computers, printers, and telephones in faculty offices and public areas throughout campus

Math Department Tutor and “Pi-rate,” Swarthmore, PA

September 2016 – December 2017

- Tutored students in Multivariable Calculus, Linear Algebra, and Calculus
- Held review sessions for Linear Algebra students twice a week in order to help those students learn the material and complete their coursework

Sports Information Student Worker

September 2015 – present

- Recorded statistics for men’s/women’s soccer, women’s field hockey, and men’s/women’s basketball teams

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## PERSONAL

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**Skills:** Linux, macOS, Windows

Proficient in TypeScript, Java, Python, C++, HTML & CSS, L<sup>A</sup>T<sub>E</sub>X, and Bash; previous experience with PHP, C, SQL (SQLite3, PostgreSQL, MongoDB, MySQL), Stata, VBA, and TI-Basic  
AWS, Git, Ansible, Terraform, Packer, Docker, Heroku

**Interests:** Playing music (guitar, ukulele, trumpet, piano); reading (critical theory, philosophy, history, postmodern fiction, South American literature); Settlers of Catan (see my `CatOnLine` site)