

# Keith Lovett

<https://kdlovett.github.io/keiths-site/>

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## EDUCATION

**Boston University College of Arts and Sciences**  
BS in Computer Science  
May 2019 | Boston, MA

## SKILLS AND ACTIVITIES

**Member of** BU's Global House ·  
BU's Writer's Workshop  
**Volunteered at** BUxRed Hat's CO.LAB event  
**Speaks German** (5<sup>th</sup> Semester) ·  
**Spanish** (1<sup>st</sup> Semester)  
**Passionate about** Cross-cultural communication · Creative writing · Community-building activities

## LINKS

Github://[kdlovett](https://kdlovett)

LinkedIn://[keithlovett](https://keithlovett)

## EXPERIENCE

**Hashpath** | Software Development Intern

July 2018 – January 2019 | Melrose, MA

**Custom Alexa Skill** (Node JS · TypeScript · AWS)

- Utilized AWS Lambda serverless computing to make custom Amazon Alexa queries to third party database system.
- Expanded on database model to add more use cases to Amazon Alexa queries.

**Liggins Institute** | Undergraduate Research Assistant

February 2018 – June 2018 | Auckland, NZ

**ML Analysis of Metabolomics Data** (Matlab · R)

- Used Matlab implementation of gradient descent performed on cells in correlation matrices to analyze datasets.
- Converted computationally heavy portions of existing Matlab code to R, a free alternative.

**Bellevue Golf Club** | Groundskeeper

May 2016 – August 2017 | Melrose, MA

**Grounds Upkeep** (Mowers · Blowers · Sweat)

- Worked with a grounds crew to maintain excellent course conditions.
- Helped maintain machinery, set up and break down at various events.

**Intergenerational Language Program** | English Tutor

August 2015 – November 2015 | Chelsea, MA

**English Tutoring** (Curiosity · Open-mindedness)

- Assisted in a classroom, teaching English and relevant civics topics to ESL parents.
- Attended weekly meetings to discuss various topics pertaining to cross-cultural communication and effective teaching.

## Coursework and Projects

**CS 411 HeartBeats** (Node JS · MongoDB)

- Worked with three others to design a web app capable of producing a list of recommended Spotify tracks, based on that user's Fitbit heartrate data and the tempo of tracks the user had listened to, or added to playlists.

**CS 591 Handling Winter Storms in Boston** (Python · MongoDB)

- Worked with three others to design a web app capable of visualizing high priority areas to be cleared of snow in Boston based on city data.
- Developed functions to produce heat-map based on K clusters of buildings and their distance to N routes satisfying constraints indicating importance.

**CS 410 Debugger** (C)

- Used C's ptrace and DWARF libraries to replicate main features of GDB debugger, such as breakpoints.

**Lamport's Tic-Tac Toe** (Javascript)

- Created a game of online tic-tac-toe that writes match data to Google Sheets.