Keith Lovett

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

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EDUCATION

Boston University College of Arts and Sciences

BA 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

Awarded "Most Innovative Research Project" by popular vote, CS591: Data Systems Architectures Spring 2019

Speaks German (5th Semester) · Spanish (1st Semester)

Hobbies Include Cross-cultural communication · Creative writing · Community-building activities

LINKS

Github:// kdlovett
LinkedIn:// keith-lovett

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

BU 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.

BU 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.

BU 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.