Keith Lovett

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

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EDUCATION

Boston University
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, Data Systems Architectures Spring 2019

Speaks German (Intermediate) · Spanish (Beginner)

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

LINKS

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

SOFTWARE DEVELOPMENT EXPERIENCE

Hashpath | Software Development Intern
Jul – Nov 2018 | Melrose, MA

Custom Alexa Skill (Node JS · TypeScript · AWS)
- Expanded database model to handle 2 new custom Alexa request types.
- Utilized AWS Lambda serverless computing to link Alexa request types with database queries.

Liggins Institute | Undergraduate Research Assistant
Feb – Jun 2018 | Auckland, NZ

ML Analysis of Metabolomics Data (Matlab)
- Performed gradient descent on correlation matrices formed from data recorded after weeks 15 and 20 of preterm births.
- Recorded 4 metabolites of interest, suggesting focus for future research.

Conversion of Analysis Processes to Open Source (R)
- Converted computationally heavy portions of existing Matlab code to R.
- Discussed performance differences and potential future work in write-up.

Coursework and Projects

BU fall 2018, HeartBeats (Node JS · MongoDB)
- Wrote web app backend in team of 4; forms Spotify track list based on user's Fitbit heartrate data and tempos of tracks user has interacted with.

BU fall 2017, MyShell (C)
- Worked in team of 2 to replicate main features of a shell, such as background execution and redirection of I/O to other files and programs.

BU fall 2017, Handling Winter Storms in Boston (Python · MongoDB)
- Wrote 2+ backend functions in team of 4 for web app capable of visualizing high priority snow plowing areas in Boston. Produces heat-map based on K clusters of important buildings. Marks distance from centroids of heat-maps to high priority routes. (Routes which together satisfy constraint that each road connects to 1+ route.)

Summer 2017, Lamport's Tic-Tac-Toe (Javascript)
- Created a game of online tic-tac-toe that writes match data to Google Sheets.

OTHER WORK EXPERIENCE

Bellevue Golf Club | Groundskeeper
May 2016 – Aug 2017 | Melrose, MA
- Maintained excellent course conditions with crew of around 10.
- Expeditiously set up and broke down various events.

Intergenerational Language Program | English Tutor
Aug – Nov 2015 | Chelsea, MA
- Co-taught English and relevant civics topics to 15+ ESL parents.
- Attended weekly meetings to discuss cross-cultural communication and effective teaching strategies.