

## DIANNE LEE

diannelee@college.harvard.edu • 617 528 9195 • <https://leedia.github.io>

### EDUCATION

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#### HARVARD UNIVERSITY

Cambridge, MA

A.B. Candidate in Computer Science (Mind, Brain, and Behavior Track).

May 2020

Harvard Computer Society (Director of External Relations). Noteables (Student Broadway Show Choir).

Harvard College Writers' Workshop (Fiction Moderator). Harvard-Radcliffe Science Fiction Association.

#### NEEDHAM HIGH SCHOOL

Needham, MA

U.S. Presidential Scholar. Class Day Speaker. NCWIT National Runner-Up & MA State Winner.

June 2016

Girls Who Code Club (Founder & President). *The Hilltopper* (Editor-In-Chief). Math Team (Captain). Robotics Club (Botball

Project Manager, FTC Software Manager). Varsity Soccer (D1 State Champions 2015-16).

### EXPERIENCE

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#### HARVARD ARTS AND HUMANITIES RESEARCH COMPUTING DEPT.

Cambridge, MA

##### *Software Developer*

August 2018 – present

Built on and improved digital humanities API written in Python and Django. Developed complex Elasticsearch search queries.

#### BETO O'ROURKE SENATORIAL CAMPAIGN

Cambridge, MA

##### *Data Analysis Team*

March 2018 – present

Worked on relevant data analyses and visualizations mainly in Python for Beto O'Rourke's senatorial campaign in Texas 2018.

#### THE CRIMSON

Cambridge, MA

##### *Digital Strategist, Data Team Lead*

January 2018 – present

- As Digital Strategist: Analyze internal data to propose digital solutions for *The Crimson's* long-term development.

- As Data Team Lead: Research, analyze, and visualize data-related stories. Organize and lead team members.

#### INTERNET BUSINESS JAPAN

Tokyo, Japan

##### *Software Intern*

May – July 2018

Designed and programmed admin/user website for Internet Academy's online class system using an MVC framework. Managed databases with PostgreSQL.

#### COX LAB

Cambridge, MA

##### *Research Assistant*

Summer 2017

Planned, designed and coded experiment, and collected data to leverage human eye movement data as a rich annotation source for computer vision.

#### VALVE SOFTWARE

Bellevue, WA

##### *Intern*

June – August 2016

Assisted with design and development of a soon-to-be-released video game. Mainly used C++.

#### HARVARD SEAS

Cambridge, MA

##### *Intern*

2015 – 2016

Visualized provenance (data tracking) using D3 and JavaServer Faces for the Dataverse Project, an open source web application to share, preserve, cite, explore and analyze research data.

#### PATIENTPING

Boston, MA

##### *Engineering Intern*

June – August 2015

Designed, coded, and presented data validation/cleaning project to facilitate real-time patient data transactions.

### PROJECTS

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#### CULTURE TRAVEL APP

Cambridge, MA

##### *Founder*

Summer 2017

Initiated, designed, and coded app mapping sites linked with history of different cultures. In beta testing for the Harvard area.

#### NEEDHAM WALK APP

Needham, MA

##### *Project Manager & Software Development Lead*

2014 – 2016

Led team to design, code, and implement app exploring local history of Needham to draw more interest from the community.

### SKILLS & INTERESTS

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**Technical:** JavaScript, HTML/CSS, Python, Matlab, C, Java, OCaml.

**Languages:** Fluent Korean, Conversational Japanese, Basic Latin. **Interests:** Soccer, Musicals, Science Fiction.