

BRIAN YU

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EDUCATION

Harvard College, Cambridge, MA, Class of 2019 2015–Present

- Concentration in Computer Science and Linguistics
- GPA of 4.00 (as of May 2018)
- 2017 and 2018 Derek Bok Center Certificate of Distinction in Teaching
- 2016 and 2017 John Harvard Scholar, 2016 Detur Prize

EXPERIENCE

Computer Science 50 (CS50), Harvard University 2016–Present
Head Teaching Fellow, Software Developer

- Taught sections, organized and held office hours, led problem set walkthroughs
- Developed CS50's gradebook and GitHub-based infrastructure for problem set submission and grading
- Trained teaching staff of 75 undergraduates at Harvard College
- Trained teaching staff of 30 undergraduates at the Universidad Nacional de Ingeniería in Managua, Nicaragua
- Developed tool for parsing, interpreting, and providing feedback on Clang and Valgrind error messages

Palantir 2018
Software Engineering Intern

- Writing software as part of a product development team working on Palantir Gotham.

Harvard Extension School 2018
Instructor for CSCI E-33a: Web Programming with Python and JavaScript

- Designed curriculum, taught lectures, managed staff for a new course at Harvard Extension School.
- Taught version control, web application development, Python, JavaScript, SQL, API design, CI/CD, security, and scalability to a course of over 100 students.

Harvard University 2016-2018
Teaching Fellow

- Led seminars and office hours on web programming in HTML, CSS, PHP, Python, SQL, and JavaScript for Computer Science P-14300: Web Programming at Harvard Summer School in Summer 2016.
- Taught sections, held office hours on functional programming, abstraction, and design in OCaml for Computer Science 51: Abstraction and Design in Computation in Spring 2017.
- Taught small groups and held office hours for Computer Science 20: Discrete Mathematics for CS in Spring 2018.

SAFELab at Columbia University 2017-2018
Research Intern

- Wrote software to generate semantic networks based on conceptual dependency analysis of natural language.
- Wrote scripts to analyze Twitter mention networks to help with gang violence prevention efforts.

The Harvard Crimson, Cambridge, MA 2015–Present
Digital Strategist, Associate News Editor, Designer, News Writer

- Led newspaper's data journalism team and wrote software to facilitate analysis of big-data stories
- Wrote graphic design software to create dynamic charts, graphs, and interactive graphics for online content
- Analyzed readership statistics and online traffic data, proposed new outreach initiatives

TECHNICAL SKILLS

Languages	Python, JavaScript, C, SQL, HTML, CSS, OCaml, PHP, Java
Frameworks and Libraries	Flask, Django, jQuery, D3, Bootstrap
Tools	Git, InDesign, Photoshop, Illustrator, LaTeX, Markdown