

# Juan V. Esteller

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## EDUCATION

### Harvard College, Cambridge, MA

- B.A. Candidate in Computer Science Aug 2015 – Jun 2019
  - Cumulative GPA: 3.96
  - Focus: systems programming, algorithms, and programming languages.
  - Recipient of Detur Book Award for first-year academic performance.
  - Recipient of John Harvard term honor for academic performance.
- Teaching Fellow in Math and Computer Science Aug 2016 – Present
  - Fall 2016 – Spring 2017: Math 23 A/B: Multivariate Calculus and Linear Algebra
  - Fall 2017: CS 121: Theory of Computation
  - Spring 2018: CS 124: Data Structures & Algorithms
  - Fall 2018: CS 61 : Systems Programming & Computer Architecture

### Leesville Road High School, Raleigh, NC, USA

- Salutatorian Aug 2011 – Jun 2015
  - Cumulative Weighted GPA: 5.14 / 4.00
  - SAT: Math: 800, Writing: 800, Reading: 760

## PROFESSIONAL EXPERIENCE

### Bloomberg L.P., Rapid Runtime Team

- Software Engineering Intern Jun 2018 – Aug 2018
  - Designed and implemented a memory debugging tool for a server-side JavaScript engine.
  - Deployed technologies such as distributed queues for transference of data on back-end.
  - Optimized for network and machine footprint.
  - Implemented a multi-threaded server to aggregate data in debugging sessions and publish it to a front-end.
  - Implemented GUI for debugging sessions in TypeScript.

### NASA Goddard Space Flight Center, Embedded Systems Team

- Software Engineering Intern Jun 2017 – Aug 2017
  - Expanded NASA's open-source runtime Core Flight System (CFS).
  - Designed and implemented a peer-to-peer protocol to enable message-forwarding in a network of CPUs running a Software Bus Network.
  - Deployed and tested system on a test bed of FPGAs
  - Identified and patched bugs in a large codebase I inherited.

## UNIVERSITY ACTIVITIES

### The Harvard Crimson, Cambridge, MA, USA

- Editorial Chair Jan 2017 – Dec 2017
  - Edited op-eds and staff editorials pulished 5 times a week.
  - Managed a board of 8 executives that carried out other functions for the Editorial Board.
  - Chose topics for and mediated debate in tri-weekly staff editorial meetings.
  - Wrote personal opinion pieces on topics at Harvard.

### Harvard University IT, Cambridge, MA, USA

- Residential Network Proctor Jun 2016 – Aug 2016
  - Troubleshooted network, hardware, and software issues for Harvard Summer School students.
  - Purged excess software and files from computers.
  - Managed various internal Harvard databases.

## TECHNICAL SKILLS

C, C++, Bash, Linux/UNIX, OCaml, Python, R, Rust, Git, Vim, L<sup>A</sup>T<sub>E</sub>X

## SOFT SKILLS

Bloomberg Terminal, Spanish: Fluent (Native speaker), French: Proficient

## INTERESTS

Distance running, soccer, spatial puzzle-solving, reading, impressionist art, coffee