

Juan V. Esteller

juanvicentesteller@gmail.com • (919) 744-9401 • Website

EDUCATION

Harvard College, Cambridge, MA

- Cum Laude Degree 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
 - Spring 2019: CS 124: Data Structures & Algorithms (Head TF)

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

YouTube, InnerTube Core Services

- Software Engineer (L3) Jul 2019 – Present
 - Work on critical and latency-sensitive high-QPS backends.
 - Develop servers in C++.
 - Familiar with the entire Google stack (Borg, Blaze, etc.).

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, \LaTeX

INTERESTS

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