Hari Anbarasu

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Education

2014–2017 **Yale University**, *New Haven, CT*
Bachelor of Science in Computer Science, *GPA: 3.56*

2013–2014 **Northeastern University**, *Boston, MA*
Bachelor of Science in Mathematics and Physics, *GPA: 4.00*

Work Experience

Summer 2016 **Software Development Intern**, *CS50 R&D*, Cambridge, MA
Modified GUI debugger architecture to use shim rather than netproxy to eliminate synchronization and process management issues. Improved the command line interface of CS50/Cloud9 IDE by developing plugins to start GUI debugger, update profile scripts, and change IDE avatar from the command line. Led office hours for Harvard Summer School class learning Swift/iOS Development.

2015–Present **Teaching Assistant**, *Yale University*, New Haven, CT
Will teach weekly sections and grade homework assignments for Yale's introductory programming course, CS50. Held office hours and mentored student projects.

Summer 2015 **Founder**, *Fractal Academy*, San Francisco, CA
Founded company to provide personalized math curriculum to students in grades K-12. Designed K-12 mathematics curriculum and created problems for middle schoolers using LATEX. Developed database schema to hold mathematics content using SQL.

Summer 2014 **Software Development Intern**, *Zoohara*, San Francisco, CA
Used PHP (CodeIgniter) to create development tools for data operations such as adding and updating school calendars and image moderation. Designed user experience for all screens using Node.js and Bootstrap 3.

Leadership and Activities

2014–Present **Yale Splash**
Organized programs for middle and high school students
- Treasurer for Yale Splash in 2016; advised program directors, created budget and made purchases to help long-term stability of Yale Splash
- Directed Spring Splash 2016, a one-day program for 1000 middle and high school students; organized teachers, students, and volunteers, made logistical decisions, and led team of 15 administrators for the largest Yale Splash program to date

2016–Present **Code Haven**
Taught New Haven middle school students to code
- Founding Member and Upperclassman Advisor; led group of 14 mentors to teach first-generation middle school students programming in Scratch.
- Received Google igniteCS grant to further fund organization.

2014–2015 **Yale University Consulting Group**
Helped local businesses develop new marketing and product strategies
- Project Manager; led group of 6 people to help aspiring local restaurant owner find a suitable location in New Haven, conducted market research to devise restaurant menu and assisted in developing business plan for future success

Skills and Projects

LATEX, Python (including Django and Flask), HTML/CSS/JavaScript (including Node and React), C, Swift/iOS, PHP, and Linux/Bash.

Major projects include the Educational Studies Program website, a Django application used Splash programs around the country, and Py, an iOS application designed to teach users to code for free.