



Pre-College Intensive: Programming & App Design

summer.tufts.edu/high-school/programs/programming-app-design

Through this engaging three-week summer program, you can master the skills necessary to build compelling apps that solve real-world problems. Programming and App Design is suitable for students of *all* skill levels, whether you're advanced and looking to take your coding to the next level, or a programming neophyte who has never coded before.

Uniquely comprehensive, Programming and App Design supplements daily classes in coding with cutting edge seminars on specialized skills like data scraping and natural language processing. You'll gain insight into the next big thing in computing through these daily training sessions and further expand your abilities.

PROGRAM OUTCOMES

- Learn Python, one of the most popular programming languages, used to build sites like Youtube and Netflix
- Learn R, used to parse data and statistics
- Skills and foundational knowledge critical for success in today's data-centric world, including:
 - web scraping
 - natural language processing (NLP)
 - neural networks
 - data modeling, analysis, and visualization
 - image recognition
- Build your communication skills by pitching the app you create
- Tufts college credit for one course (pass/fail)

At a Glance

<i>Dates:</i>	July 14–August 2, 2019
<i>Location:</i>	Tufts University Medford/Somerville
<i>Eligibility:</i>	Entering Grades 10–12 and must be at least 15 years old by program start
<i>Credit:</i>	Credit, pass/fail
<i>Program Fee:</i>	Commuter - \$5,000 Residential - \$6,500
<i>Financial Aid:</i>	Limited scholarship funding available
<i>App Deadline:</i>	April 1, 2019

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PRE-COLLEGE PROGRAMS

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