

# william webster mairs

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## EDUCATION

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*tufts university*

Medford, MA  
B.S. computer science  
*magna cum laude*  
2018

## LANGUAGES

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*human languages*

French, Spanish, Latin

*machine languages*

Javascript, HTML & CSS, Python,  
Lua, C, Scheme

*runners up*

PHP, ksh/bash, SQL, Standard ML,  
C++, Smalltalk, x86

## COURSEWORK

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Web Programming  
Web Systems Security  
Data Visualization  
Mobile Development  
Electronic Music Instrument Design

## SKILLS

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SVG, Processing, p5.js, node.js,  
LAMP stack maintenance, react & re-  
act-native, data visualization de-  
sign, interactive web design, audio  
synthetis and instrument design

## EXPERIENCE

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*cu boulder real estate center*

FREELANCE WEB DEVELOPER

designed full stack solution to es-  
tablish an online presence for the  
Real Estate Technology Program at  
Leeds School of Business, CU Boul-  
der.

*department of computer science,  
tufts university*

COURSEWARE DESIGNER

designed domain specific language  
for writing automated tests of stu-  
dent homework submissions and im-  
plemented the DSL using metapro-  
gramming techniques, with Lua as  
the meta-language and micro-scheme  
(an educational scheme variant) as  
the object language.

*jumbocode*

FRONTEND WEB DEVELOPER

worked as front end developer to  
implement geographic visualization  
of news stories for the Boston In-  
stitute of Nonprofit Journalism.

*ninebar espresso*

BARISTA

*tamper cafe*

BARISTA, HEAD OF TRAINING