

# 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*

Python, Javascript, HTML & CSS,  
SQL, Lua, C, C++, Java, Scheme

*runners up*

PHP, ksh/bash, Standard ML, Small-talk, x86

## COURSEWORK

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Web Programming  
Web Systems Security  
Programming Languages  
Algorithms  
Data Visualization  
Mobile Development

## SKILLS

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Flask, sqlalchemy, SVG, Processing,  
p5.js, node.js, LAMP stack maintenance,  
data visualization design,  
interactive web design, audio synthesis  
and instrument design

## EXPERIENCE

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*only sky*

FULL STACK ENGINEER

developed back end architecture and UI for ecommerce platform and client data management. provided on-call, timely resolution of system-critical bugs. managed cloud server and performed database fixes and migrations. served as de facto project lead during dev team reorg.

*department of computer science,  
tufts university*

COURSEWARE DESIGNER

designed and implemented domain specific language for writing automated tests of student homework submissions.

*cu boulder*

FREELANCE WEB DEVELOPER

created full stack solution to establish an online presence for the Real Estate Technology Program at Leeds School of Business.

*boston institute for nonprofit journalism*

FRONTEND WEB DEVELOPER

coordinated with back end team to implement unique geographic visualization of news stories.