V. MAY TOMIC

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ValerieMayTomic
MayTomic

EDUCATION

BROWN UNIVERSITY
Computer Science & Classics AB
Expected May 2019 | Providence, RI
GPA: 3.92 / 4.00

PROJECTS

ETYMOWL
May 2017 | Chrome Web Store
Light-weight etymology search extension for Chrome

CONVERSATIONALIST
September 2016 | HackMIT
Web app that pools mic data to display real-time discussion metrics

QQQ
Spring 2015 | HackExeter 2nd Place
Multiplayer Bluetooth trivia game for Android

AWARDS & HONORS

NATIONAL HISTORY DAY CONTEST
2nd place nationally for research paper on software patent law

NCWIT ASPIRATIONS IN COMPUTING
MA runner-up award winner

FTC #8379 THE PARITY BITS
Founding member of girls robotics team

SKILLS

PROFICIENT:
Java • Scala • Android • C • C++

FAMILIAR:
Python • Arduino • LaTeX • Ruby • Go
MATLAB • SQL • x86 Assembly • R
C#/Unity • HTML • CSS • JavaScript

EXPERIENCE

INSTRUCTOR | iD Coding & Engineering Academy
June – Aug 2017 | MIT, Cambridge, MA

- Developed lesson plans and material for two-week cybersecurity/cryptography course in C++ and Python
- Taught eight high school students for 6+ hours daily and supervised groups of 50+ students with other instructors

TEACHING ASSISTANT | Brown University
Jan – Dec 2017 (expected) | Providence, RI

- Created and graded proof-based problem sets for courses in discrete mathematics and theoretical computer science
- Held weekly office hours and worked with fellow TAs to develop review materials and proctor exams

OPERATOR & TECH INTERN | Escape Rhode Island
Oct 2015 – April 2017 | Providence, RI

- Applied microcontroller programming and hardware skills to create custom electronic puzzles for real-life escape room games

PTOC SOFTWARE ENGINEERING INTERN | MITRE Corp
Winter 2015-2016, Winter 2016-2017 | Bedford, MA

- Developed R code to parse GPS data from live sources and calculate/plot error ellipses
- Ported a pair of battlespace management applications for Vive & Rift to Google Cardboard using Unity and C#

SOFTWARE ENGINEERING INTERN | MITRE Corp
June -Aug 2015 | Bedford, MA

- Built Android apps for use in an attack/defend style Capture the Flag security competition
- Developed Android native software to process sensor data collected by Google's Project Tango
- Wrote server code to upload RGB-XYZ data in real-time and used C# scripts to display in Unity