

Matthew Harrington

I solve problems in interesting, entertaining ways.
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EDUCATION

PRINCETON UNIVERSITY

BSE, COMPUTER SCIENCE

Expected Graduation: May 2019

Certificates:

Statistics and Machine Learning

Applied Computational Mathematics

LINKS

Github:// [MattAHarrington](#)

LinkedIn:// [Matt-Harrington](#)

Website:// [Matt-Harrington.com](#)

LANGUAGES

PROFICIENT:

ANDROID • C • JAVASCRIPT

JAVA • PYTHON • R

FAMILIAR:

ASSEMBLY • C++

L^AT_EX • SQL • VERILOG

COURSEWORK

Algorithms and Data Structures

Analysis of Big Data

Computer Graphics

Computer Vision

Economics and Computing

Information Security

Probability and Stochastic Systems

Theory of Algorithms

Theory of Games

SWIMMING

PRINCETON VARSITY TEAM

2016 Ivy Conference Team Member

Student-Athlete Wellness Leader

Social Media Account Manager

AWARDS

7x USA Swimming All-Time Top 100

13x IL Swimming State Champion

USA Swimming Academic

All-American

INTERESTS / HOBBIES

Competitive Rubik's Cube solver

Slam/Spoken-Word Poetry

Amateur Techno DJ

WORK EXPERIENCE

JOSEKI TECHNOLOGIES | WEB DEVELOPMENT CONSULTING

Summer 2018 | Remote, Full Time

- Contributed to a custom company Web App template implementing Server-Side Rendering, Component-Level Code-Splitting, & Asset Caching

INTEGRITAS ANALYTICS | DATA SCIENCE CONSULTING

Summer 2018 | Lake Forest, IL

- Completed Data Analysis and Data Modeling for a Market Research Project
- Received praise from superiors and clients for work

UNIVERSITY OF FLORIDA | CISE UNDERGRAD RESEARCH ASSISTANT

Summer 2017 | Gainesville, FL

- Implemented Multimodal & Multispectral Image Registration algorithms in C++
- Contributed to a Augmented Reality application later presented in a SIGGRAPH paper

THRIVE+ | TECHNICAL SPECIALIST

April 2016 – April 2017 | Princeton, NJ

- Completed Data Analysis that prompted a major shift in company message
- Increased Website Traffic and Customer Conversion through SEO, A/B Testing, and Front-End Web Development

TECHNICAL PROJECTS

SENIOR THESIS | COMPUTER VISION AND STATISTICAL ANALYSIS

April 2018- Present | Princeton University Independent Work

- Developing an application to digitally recreate a Rubick's Cube solve
- Advised by Jérémie Lumbroso

HUMAN-MUSE.IC | THREE-TIER WEB APP

Sep 2017 - Jan 2018 | Coursework for Cos 333, Princeton University

- MVC Web app, Python Django back-end, and React.js front-end
- Culminating project as part of comprehensive software engineering curriculum

LEADERSHIP

RESIDENTIAL COLLEGE ADVISOR | PRINCETON UNIVERSITY

August 2017 – Present | Princeton, NJ

- Mentor underclassmen students, helping them transition to university life
- Organize and host weekly study breaks

BIG BROTHER | Big Brothers / Big Sisters

July 2016 - May 2017 | Princeton, NJ

- Weekly mentorship and engagement with an assigned little Brother in the area

SENIOR ATHLETE REP | ILLINOIS SWIMMING BOARD OF DIRECTORS

March 2013 – March 2015 | Chicago, IL

- Represented the 25,000+ athlete members in Illinois Swimming
- Played a key role in constructing and implementing legislation