

David Mattia

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Education

University of Notre Dame

Computer Science Major
Class of 2017
GPA: 3.96/4.00

Lakeville South High School

Class of 2013
GPA: 4.40/4.00
Class Rank: 2/431
ACT: 35

Technical Skills

Proficient in:

C, Java, HTML/CSS, MATLAB

Familiar With:

PHP, Python, Assembly, JavaScript
C++, Swift, Objective C

Relevant Course Work

Freshman Year:

Introduction to Engineering

Sophomore Year:

Fundamentals of Computing I
Case Studies in Computing-Based
Entrepreneurship
Discrete Mathematics

Sophomore Year (Current Semester):

Logic Design
Fundamentals of Computing II
Basic Unix for Engineers

Honors

IrishHacks 3rd Place
Suzanne and Walter Scott Scholar
Engineering Scholars Program
National Merit Scholar Commended
AP Scholar with Distinction

Interests and Hobbies

Swimming, Biking, and Running
Graphic Design
Trout Fishing
Hiking trails and mountains

Projects

Sept 26-28, 2014

Foober - Third Place Overall at IrishHacks

- Native Android application implementing Parse databases and SMS Manager
- Connects Notre Dame students looking for food with those looking to deliver for a price
- Implemented the databases and designed the UI

Jan 2011 - Present

Web Design

- Self-taught web design and development for both front and back end projects

Jan 2014 - May 2014

Iris Aging Research

- Worked with Professors Bowyer and Flynn to gather sources on new developments in iris biometrics

Sept 2009 - June 2013

Calculator Programming

- Self-taught calculator programming
- Created nearly 1,000 programs focusing primarily on math related concepts

Feb 2014 - May 2014

Sudoku Algorithm Testing

- Tested three unique Sudoku solving algorithms for efficiency and completeness using MATLAB

Nov 2014 - Dec 2014

Chiellini - Pacman Variant

- Recreated the classic game Pacman in C with the Xlib library for graphics

Work Experience

Web Developer

June 2013 - Aug 2013

- <http://www.hiddenoakscottageretreat.com>
- Designed, developed, and hosted website individually
- <http://www.closeupimages.com>
- Designed the gallery pages using WordPress

July 2014 - Aug 2014

June 2013 - Aug 2014

Weight Lifting Trainer - Lakeville South Summers

- Managed weight room activities including weight training, plyometrics, and conditioning
- Created work out programs for eight different sports groups focusing on specific muscle groups they required

Volunteering

June 2012 - Present

Blood Drive Coordinator

- Coordinated eight blood drives through the American Red Cross
- Contacted potential donors, reserved space, advertised, and organized day of activities
- Member and active volunteer of the Red Cross Club of Notre Dame

Sept 2013 - Present

June 2013, June 2014

Muscular Dystrophy Camp Counselor

- Cared for teenage camper with Duchenne muscular dystrophy
- Attended to all daily responsibilities and activities