

Dylan Greene

Computer Engineer



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Education

University of Notre Dame

Bachelor of Science in Computer Engineering (Expected May 2018)

GPA: 3.184 / 4.0

Notre Dame Silicon Valley Semester

Cohort of ten students selected to study and work in Silicon Valley (Spring 2017)

Notre Dame Rome Global Gateway

Engineering summer study abroad program (Summer 2016)

Marine Academy of Technology and Environmental Science

High school, Unweighted GPA: 94 / 100 (June 2014)

Experience

Jobs

QuakeFinder: Palo Alto, CA

Intern (January 2017 - Present)

- Designing and coding data transfer from remote BeagleBone based monitoring stations over Wi-Fi and cellular modems to a data center for analysis
- Writing code to send out warnings when a site reaches some excited state

Alliance for Catholic Education: Notre Dame, IN

Technical Intern (December 2014 - August 2015)

- Updated the ACE website, the CREO website, and ACE's Client Relations Database
- Collaborated with designers to design and build websites for the ACE Academies

Fisher Hall: Notre Dame, IN

Website Manager (October 2014 - Present)

- Built a new website for the dorm in order to post relevant dorm events and dates

Projects

New Jersey Department of Environmental Protection

Worked to map and analyze New Jersey's photovoltaic potential using Python and ArcGIS

- Acquired data from several large firms (SEIA, Sunrun, and NREL) and analyzed it using a custom collection of Python script tools for geographic information systems (GIS)
- Presented findings at a state-wide contest, and took second place for Best Data Integration
- The project was then presented at the 2014 Esri User Conference in San Diego.

Froogle: A Homemade Search Engine

Search engine and custom web crawler using thread-based parallelism in Python and C++

Rubik's Cube Rig, Animator, and Interactive Game

GUI to interact with a Rubik's Cube written in Python using the Autodesk Maya MEL Library

Skills

Writing – Published author in Fresh Writing for an analytical infographic and essay

Leadership – Full time seasonal manager of 12 employees at Jenkinson's Sugar Shoppe, NJ

Technical – Experienced with Java, Python, C, and C++, Shell Scripting, Unix, MATLAB

Interests – Running, Speed Cube Solving, Photography, Snowboarding, Space, Technology