Dylan Wright Darius

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*Professional Profile*

## Software Developer experienced with Object-Oriented design, desktop applications, relational databases, and code optimization and refactoring

*Education*

* Bachelor of Science in Physics, University of California, Santa Barbara

*Technical Skills*

* Languages: C++, C#, Python, Java, HTML/CSS, Javascript, Golang
* Tools: Visual Studio, Unity, Git/Github, Windows Linux/Unix, SolidWorks/Autodesk

*Website*

* <https://dylan-maxwell-wright.github.io/Dylan-Wright>

*Experience*

*Software Development – self-driven projects 2019*

* Stochastic Modeling in the C++ Qt framework, designed animations, mathematical models, and a UI to control variables for customized simulations
* A stock tracking console program in C++ with options to buy and sell stocks. Saves the user’s information, and updates their portfolio through online feeds with libcurl
* The Chinese board game Go written in Golang. Allows players to capture their opponent’s pieces and build territories. Tallies captured territory and pieces to designate a winner. Can host a server to play online.

*Trainer/Tutor, Prep Zone Academy****,*** *Singapore 2017-2018*

* Built an online course through Teachable.com, a course development website.

Used HTML/CSS to implement front-end features to improve user experience

* 1000+ hours teaching math and physics at the 3rd grade through 1st year

University level in one-on-one and group class settings

* Learned, taught, and developed curricula for teaching around 10 unique tests,

including the SAT, GMAT, MCAT, and international standardized tests

* Worked on a small team to develop the Business Admissions Test, a competitor

to the GMAT for EMBA, currently used by international business schools

*Private Tutor*  2017

* Tutored individual university students in programming theory and application for introductory Python courses

*Data Analysis, Undergraduate coursework* 2016

* Modeled and analyzed physical data for uncertainty, lines of best fit, and correlation with Mathematica in a laboratory setting