

Milosz Kowal

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SKILLS	Programming: Python, R, PHP, MySQL, HTML5, CSS3, PostgreSQL, Matlab, Mathematica, Git, \LaTeX Certifications: Bloomberg Market Concepts, Google Analytics	
EDUCATION	Trinity College , Hartford, Connecticut	Aug 2014 – May 2018
	<ul style="list-style-type: none">▪ Bachelor of Science (B.S.) in Mathematics and Theater, GPA: 3.7/4.0<ul style="list-style-type: none">• Coursework: Linear Algebra, Abstract Algebra, Analysis, Differential Equations, Chaos Theory• Honors and Awards: <i>cum laude</i>, Pi Mu Epsilon Inductee (Spring 2018)	
SELECTED EXPERIENCE	Illinois Mathematics and Science Academy , Aurora, Illinois	Sep 2011 – May 2014
	<ul style="list-style-type: none">▪ Attended second-highest rated public high school in the United States.	
SELECTED EXPERIENCE	Moody's Corporation , New York City, New York	Jul 2018 – Jul 2019
	<ul style="list-style-type: none">▪ Software Engineer<ul style="list-style-type: none">• Implemented and maintained four APIs in Python, providing machine learning services in fuzzy matching, content summarization, thematic tagging, and written content review. Was deployed into production with over 2,000 research writers.• Implemented an automated test library for above APIs using PyTest and Jenkins, eliminating the need for manual qualitative testing. Reports were generated in Allure.• Designed high-level logic and process flow for caching and storing machine-generated text content, reducing retrieval time from $O(n)$ time to $O(1)$ time.	
	Trinity College Information Technology Services , Hartford, Connecticut	Sep 2014 – May 2018
	<ul style="list-style-type: none">▪ Head Solutions Engineer<ul style="list-style-type: none">• Trained and evaluated over 15 new employees, analyzing performance trends using Crystal Reports.• Provided support on over 4,900 service requests, logging all details in SolarWinds Web Helpdesk.• Drafted Bash script to automate process within network infrastructure, resulting in substantial decreases in service requests related to that issue.• Cooperated with architectural design team to create new solutions for user body of over 2,200 students, faculty, and staff.	
SELECTED PROJECTS	Navier, Inc. , Chicago, Illinois	Jun 2012 – Dec 2013
	<ul style="list-style-type: none">▪ Chief UI/UX Design Engineer<ul style="list-style-type: none">• Created platform enabling web developers to interact with consumers to improve prototype versions of apps.• Leveraged AngularJS, CSS3, and HTML5 in constructing front-end interface for customer-facing products.	
SELECTED PROJECTS	PyMessage NLTK, Pandas, SQLite, Tableau Python and NLTK library for sentiment analysis of arbitrary strings of characters, pulled from over 200K text messages stored in a SQLite database locally on macOS. Publishes results in CSV format for ingestion into Tableau and other visualization programs.	
	Seshat Flask, Bootstrap, PostgreSQL, Elasticsearch, Heroku Full-stack application that allows users to create personalized accounts and add books they have read. Provides statistics on book readership and stores all data in a PostgreSQL database.	
LANGUAGES	English (fluent), Polish (native), French (intermediate).	
INTERESTS	Editorial photography, works of Fyodor Dostoevsky, podcast production, applied mathematics.	