Milosz Kowal

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EDUCATION	**Trinity College**, Hartford, Connecticut	Aug 2014 – May 2018

- Bachelor of Science (B.S.) in Mathematics and Theater, GPA: 3.7/4.0
  - Relevant Coursework: Linear Algebra, Abstract Algebra, Analysis, Differential Equations, Chaos Theory
  - Honors and Awards: *cum laude*, Pi Mu Epsilon Inductee (Spring 2018)

Illinois Mathematics and Science Academy, Aurora, Illinois	Sep 2011 – May 2014

- Received diploma.

WORK EXPERIENCE

Moody's Corporation, New York City, New York	Jul 2018 – Present

- Business Analyst
  - Conduct end-to-end analysis for three natural language processing projects (fuzzy logic matching, content summarization, and writing quality analysis) with respect to functional and technical requirements, data modeling, workflow design, and UI / UX. Projects had a reach of over 2,000 research writers and analysts.
  - Author dozens of pages of thorough, detailed, high-quality documentation on natural language and data visualization projects, including requirements, use cases, and user manuals using Atlassian Confluence.
  - 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

- Head Consultant
  - 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 script to automate process within network infrastructure, resulting in substantial decreases in service requests related to that issue.
  - Maintained audiovisual equipment in classrooms.

Navier, Inc., Chicago, Illinois	Jun 2012 – Dec 2013

- User Interface and Experience Design Lead
  - Created platform enabling web developers to interact with consumers to improve prototype versions of apps.
  - Utilized AngularJS, CSS3, and HTML5 in constructing front-end interface for customer-facing products.

SELECTED PROJECTS

PyMessage - Analyzing iMessages using Python and NLTK

- Constructed library that analyzes sentiment of 200K+ text messages using Python 3.7 and NLTK 3.4.
- Future improvements include constructing a full API to analyze text messages and similar strings.
- Source code available on GitHub.

Trinity College Student Photographers (TCSP), Trinity College	Oct 2015 – Jan 2018

- Founder, Chief Executive Officer
  - Employed 20 students, establishing TCSP as a premier employment opportunity for the Trinity community.
  - Provided photography and event coverage services for over 70 events on campus, providing deliverables for each event within 24 hours.
  - Managed social media accounts using Hootsuite, Mailchimp, and Later, with collective following of over 200.

LANGUAGES

English (fluent), Polish (native), French (intermediate).

SKILLS

Programming: Python, R, SQL, HTML5, CSS3, LaTeX
Software: Adobe Photoshop, Microsoft Office, Matlab, Mathematica, Tableau, Oracle SQL Developer
Certifications: Bloomberg Market Concepts, Google Analytics

INTERESTS

Editorial photography, works of Fyodor Dostoevsky, podcast production, applied mathematics.