Dan Sendik

drs2176@columbia.edu ❖ (760) 696-8547 ❖ Wanaque, NJ ❖ github.com/dsendik

EDUCATION

Columbia University (coursework complete)	**Feb. 2020**
BA, Computer Science	*New York City, NY*
Bergen Community College	**Sept. 2007 - May 2010**
AAS, Architectural Drafting	*Paramus, NJ*

Microsoft Software and Systems Academy-Certificate	**June 2015**
Defense Language Institute-Korean Linguistics	**Jan. 2011 - July 2012**

SKILLS

- **Languages:** Python, Java, C, C++, C#, Assembly, OCaml, HTML/CSS, JavaScript, JQuery, Django, Korean
- **Tools:** Eclipse, PyCharm, Vim, Visual Studio, Git, Google Cloud, Agile, Logisim, Latex, CI/CD, Unix/Linux
- **Database systems:** MySQL, PostgreSQL, SQLite, SQL Server

WORK EXPERIENCE

United States Marine Corps   **Aug. 2010 - Aug. 2015**
Signals Intelligence Analyst   *Camp Pendleton, CA*

- Analyzed and disseminated elements of information from foreign transmissions to support mission reporting requirements, and disseminated the information to appropriate analytical authorities.
- Documented process to create weekly reports, resulting in 10% faster report production among teams.
- Reduced daily workload of unit's reporting task by 15% by providing near real-time support.
- Trained a new team of six intel analysts in report writing and data analysis, increasing reporting by 10%.
- Completed Signals Collection and Processing course at top of the class.

PROJECTS

Cache Money
- Built a security-focused budget tracker web-app in a full-stack role on an agile team with weekly scrums.
- Designed, populated, and maintained MySQL databases.
- Contributed various features requiring back-end code and UI development using Python/Django/JQuery.
- Wrote product requirement document and presented software in expo environment.

Sudokunator
- Built AI application capable of solving 400+ Sudoku puzzles in under 30 minutes.
- Used Backtracing and AC-3 algorithms to recursively solve individual Sudoku puzzles in Python.

Global Terrorism Tracker
- Built a Terrorism tracker web-app capable of correlating terrorism events and details.
- Designed PostgreSQL database from large set of raw data.

Interactive Meditation
- Created an interactive meditation website using immersive audio/video and numerous JavaScript APIs.

Unicorn HDL
- Wrote a new hardware descriptive programming language and language reference manual on an agile team.