Dave Dirnfeld

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Education

University of Massachusetts, Amherst — *Amherst, MA*
Ph.D./MS in Computer Science — *2021 - Current*

Columbia University, The School of General Studies — *New York, NY*
Bachelor of Arts in Computer Science, **GPA: 3.885/4.0** — *Sep 2017 - May 2020*
- <u>Concentration:</u> Intelligence Systems
- <u>Honors:</u> Magna Cum Laude, The School of General Studies on Honor Society, 5x Dean's List

Rockland Community College — *Suffren, NY*
Associate in Science Computer Information Systems, **GPA: 3.97/4.0** — *Sep 2014 - Dec 2016*
- <u>Honors:</u> Phi Theta Kappa, Phi Sigma Omicron, 4x Dean's List

Research

Few-shot Learning from Compressed Videos — *New York, NY*
Columbia University Computer Science Department, Dr. Shih-Fu Chang — *Feb. 2021 - Apr. 2021*

Self-Supervised Motion Learning from Compressed Videos — *New York, NY*
Columbia University Computer Science Department, Dr. Shih-Fu Chang — *Sep. 2020 - Apr 2021*

Tagging and Browsing Videos According to the Preferences of Differing Affinity Group — *New York, NY*
Columbia University Computer Science Department, Dr. John R. Kender — *Jan. 2020 - May 2020*

Teaching Experience

Teaching Assistant for Operating Systems — *Amherst, MA*
Computer Science Department, Dr. Tim Richards/Dr. Mark Corner — *2021 - Current*

Course Assistant for Fundamentals of Computer Systems — *New York, NY*
Computer Science Department, Dr. Dan Rubenstein — *Jan 2021 - Apr 2001*

Course Assistant for Applied Deep Learning — *New York, NY*
Computer Science Department, Prof. Josh Gordon — *Jan 2020 - Dec 2020*

Course Assistant for Operating Systems I — *New York, NY*
Computer Science Department, Dr. Jae Woo Lee — *Jan 2020 - Dec 2020*

Work Experience

Chief Technology Officer — *Northvale, NJ*
Toner Buzz Inc. — *Aug 2014 - Sep 2019*
- Designed and developed a 12-Million dollar revenue eCommerce website using BigCommerce and Magento
- Managed cross-functional PPC, SEO, and Copy-write teams
- Increased Conversion Rate by 25% by simplifying checkout processes
- Lowered Bounce Rate by 27% with new design using A/B Testing
- Managed Windows Computers, implemented, maintained, upgraded physical and virtual machines
- Automated and managed backing up of website products, customers, and server data

Skills

Languages: C/C++, Python, Java, HTML5/CSS3, JavaScript, PHP, MySQL, Neo4j
Frameworks: TensorFlow, PyTorch, Keras, Flask, Codeigniter
Other Tools: Github, Vim, AWS, Photography, Adobe Photoshop, Google Analytics/Adwords

Fellowships and Grants

20/21   **CA Fellowship**, GS
19/20   **Casdin Scholarship**, GS
18/19   **NJ Media Group Scholarship**, GS