Dave Dirnfeld

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Education

University of Massachusetts, Amherst   *Amherst, MA*
Ph.D./MS in Computer 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*
- Concentration: Intelligence Systems
- Honors: 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*
- Honors: 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