Melvyn Ian **Drag**

COMPUTER SCIENTIST · MACHINE LEARNING ENGINEER · OPTIMIZATION EXPERT

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"There are few things in life more interesting than computing" - The Little Schemer by Felleisen and Freidman

Computer Science Dept.   *May 20, 2016*

NJCU

2039 JOHN F. KENNEDY BLVD

JERSEY CITY, NJ 07305

Computer Science Adjunct Application

Dear Sir or Madam,

About Me

I create computational solutions to hard problems, ranging from diffusion to predictive analytics, and beyond. I love Python, C++, and CUDA, and I am a big proponent of functional programming. I'm also fascinated by the way that computers work, and I have engineer-level knowledge of how processors process, assembly assembles, and memory memorizes.

Why NJCU?

NJCU is my alma mater, and I'd like to contribute to its rise as a top-notch university. "There are few things in life more interesting than computing", and I'd like to work with young people to help them understand why this is true. There is a lot of potential for greatness in NJCU students, and I'd like to help students achieve this greatness.

Why Me?

I write complex software. I have a deep knowledge of data structures and algorithms. I can teach version control and coding style. I'm very active "in the scene"[1], can help your students see what it is to be a programmer, and can help them find employment. In short, I would be a **no-nonsense professor** with lots of truth and inspiration for your students.

What's Next?

I regularly interview prospective software engineers and ask them questions like:

1. How would you implement a function that takes x, y, z as input and returns a as output?
2. What is the complexity of the *foobarbaz* algorithm?

I would be honored if you would have me in to ask me similar questions (and potentially offer me a job)!

Sincerely,

Melvyn Ian Drag

Attached: Curriculum Vitae

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[1] I'm writing to you from the ODSC conference in Boston, and I'll be presenting at the Central NJ Data Science group in June, and at PyGotham in NYC in July. I contribute to open source projects.