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Arjan Singh Puniani
Rigetti Quantum Computing
2855 Telegraph Ave. Suite 517
Berkeley, CA 94705

Dear Mr. Singh,

- in a quantum error correction and cryptography class taught by one of the founders of quantum information theory, William Wootters - interest in quantum computing finds its roots in my interest in computer science and quantum physics; I found the intersection in this class, and I think in Rigetti I could find a career in it. - I have a lot to offer in terms of computational and research experience in machine learning and research

As a Computer Science and Economics double major at as challenging a school as Williams, I am constantly faced with handling ambiguous and undefined challenges.

In confronting these challenges I have assembled an arsenal of tools that aid me in thinking creatively and abstractly.

My talents in combating a variety of different technical challenges are no more evident than in my past internship and research experiences.

I am a quick learner who expands and innovates on the knowledge I acquire. I have had the opportunity to advance the state-of-the-art in knowledge engineering as an applied artificial intelligence researching contractor at the Naval Research Laboratory this summer, continuing into my fall semester at Williams as Senior Honors Research. Working under the Head of the Adaptive Systems Section on the Autonomous Squad Member Project (ASM), I used information retrieved from different sensors of the automaton to amortize the difficulty of increasing its knowledge about the world, all in Common Lisp. I also implemented a knowledge engineering algorithm in Python for comparison against a proprietary knowledge engineering algorithm for the purposes of automated planning and machine learning.

My experiences at the Naval Research Laboratory, my education at Williams, and my lifelong dream of helping to build a quantum computer demonstrate the breadth of my knowledge and passion in both academia and industry and make me the ideal candidate for a Junior Quantum

Engineering position at Rigetti. I appreciate your consideration for the position.

Sincerely,

Rahul Nath

William College Class of 2015

Computer Science and Economics