From: johnsmith@gatech.edu
Sent: Tuesday, August 21, 2018 2:00 AM
To: jonathan.shelley@lmc.gatech.edu, cedric@cc.gatech.edu
Cc: areddy2@gatech.edu, slou@gatech.edu
Subject: (no subject)

Dear Cedric and Jonathan,

We, team JDA8303, write to request assignment to the Self-Driving E-Bike project. In the event that we are not assigned the Self-Driving E-Bike project, we would prefer to work on the High Speed Data Links or Solar Panel Optimization project, in that order. The three of us--John, Ankit, and Stephanie--are eager to provide programming infrastructure for any of these projects in the hope of bringing a viable product to market.

John is a fourth year computer science major with experience organizing multiple team-based class projects. His most recent project tracked traffic patterns in the Atlanta area, and he is eager to apply his knowledge of transit structures to the Self-Driving E-Bike project. As treasurer of Georgia Tech's chapter of the Sierra Club, he is also committed to efforts that promote sustainable technology and would welcome the opportunity to improve current public transportation services or solar panel technology.

Ankit has made multiple user interfaces for individually and team produced mobile phone apps. One of these apps tracked energy usage in buildings in order to identify inefficiencies in temperature control systems. His interface made it possible for building managers to view the real time temperature of multiple rooms within a building simultaneously, thereby allowing them to identify poorly insulated areas. His experience improving the accessibility of real-time data would greatly assist efforts to improve e-bike docking management, data link speed, or solar panel capture technology.

Stephanie would handle backend development for any one of these projects. She is an avid mountain biker and would bring a wealth of bicycle design knowledge to the Self-Driving E-Bike project already. While Stephanie has not used the Rust programming language before, she has participated in projects that converted Python to Java and is proficient in both C and C++. Given the syntactical similarities between C, C++ and Rust, as well as her experience negotiating the discrepancies between programming languages, she is confident that she will be able to learn Rust quickly.

Given our range of leadership and programming experience, we are confident that we would bring value to any one of these projects. Our academic and personal interests in sustainable transportation make us uniquely equipped to aid the Self-Driving E-Bike project as it seeks to improve the gyroscopic balancing of its self-driving technology.

Sincerely,

John Smith, Ankit Reddy, and Stephanie Lou