‍‍Kenneth Shaw

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Extracurricular/Hobbies:

* VIP Research Project, Lightning From Space: (Jan 2018-)
* MIT Launch: Orama (Summer 2017)
  + - Two-Factor Authentication with facial recognition API startup
    - Created an adapted dlib algorithm, frontend, as well as the communication for client side vision algorithm.
* ThermoFi: Wireless Thermometer and Sensor Project+Server (2015-present)
  + Worked to create and sell sensors that monitored the sustainability of the home.
    - Small WiFi Enabled sensors were custom designed, assembled and sold through my startup
    - Created a server (node.js) which showed monitoring information about the home. (temperature, humidity, air quality etc.)
    - Created user interface and applications to monitor and get notifications about the status of the home.
* FRC Team 293 High School Robotics:
  + Lead Control Systems Engineer, President, Robot Driver
    - Worked on educating new members on robotics and programming workshops.
    - Led the Onboard Auto-Targeting System project for “Boulder”/Dodgeball Shot Aiming using OpenCV and Python
    - Worked on Fine Mechanism Angle Control using 1000hz CAN PID
    - Began a project on Robot Data Analysis and Logging Using MATLAB
    - Created Custom Control Boards using TI HID Driver
    - Volunteered as Robot Inspection Manager.
    - Worked on having a pair of Ultrasonic Distance Sensors for Robot-to-wall Alignment
* Bitcoin Mining: Worked to program early FPGAs to mine Bitcoins efficiently.
  + X11 Algorithm Cuda Optimization Mining Award from Bitminter (10th)
  + Specialize in trading algorithms for short term and long term positions
  + Admin and founding member of Cryptocurrency Collectors Club on Facebook (currently has 75,000+ members and a wealth of collated information)

Education:

* Georgia Tech: Electrical Engineering (Graduation: Spring 2020)
  + GPA: 4.0 (4.0 Scale)
  + ECE 2020 (Fund. Digital Logic Design)
  + CS 1371 (Matlab)/ CS 1331 (Obj. Oriented Java)
  + ECE 2036(Engr. Software Design)/2035(Programming Hw/Sw Systems)/2026(Signal Processing)