

sdmay19-08: IC Chip: Automated Clay Target Scoring System

Biweekly Report

4/15/19 - 4/30/19

Client: Dr. Henry Duwe

Faculty Advisor: Dr. Henry Duwe

### Team Members:

Eva Kuntz – Software Architect Lead; Report and Communication Manager

Cole Huinker – Software Architect, Data Analysis, Computer Vision

Steven Sleder – OpenCV and Machine Learning Lead; Data Analytics Lead

Michael Ruden – Hardware Architect Lead; Prototype Manager

Keith Snider – Software Architect; Webmaster

Philip Hand – Hardware/Power

### Past Week Accomplishments:

- Mobile Application:
  - Began testing application.
  - Added saving session data through lifecycle.
- Hardware:
  - None
- Machine Learning Model:
  - Created demonstration for

### Pending Issues:

- None

### Individual Contributions:

Team Member	Contribution	Weekly Hours	Total Hours
Eva Kuntz	Complete final report and revise report; Ensure all portions of the project are wrapped up for future teams; help Keith finalize any mobile application testing.	15	197
Cole Huinker	Finishing up work on the back end portion of the Jetson. Added calls to capture footage from the camera.	16	184
Steven Sleder	Created a demonstration for of the model using pre-existing videos and worked on the final report, poster, and slides. Worked on documentation for imaging the Jetson, setting up drives, and training the model for next semester	15	209
Michael Ruden	Camera Integration and final reports	15	165

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<b>Philip Hand</b>	<b>Finished up battery proposal and circuitry</b>	<b>14</b>	<b>162</b>
<b>Keith Snider</b>	<b>Started testing application and finding bugs. Added lifecycle session saving to more fragments.</b>	<b>21</b>	<b>200</b>

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