# Michael McCosh
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## Summary

Delivering above expectation is the driving motivation on projects with unique personal/customer needs, with a goal of providing the most efficient methods to accomplish any given task. Skilled at ergonomic user interface design and the logic to make it seamless. My experience as a photographer since the era of film cameras has taught me quite a lot about making images that appeal to the eye, a user interface must be the same way, it should look good, as well as being easy to navigate.

## Technical Skills

Crestron Programming, UI Design, A/V system design, AutoCAD, audio DSP programming, HTML, CSS, JavaScript, jQuery, nodeJS, Networking, Troubleshooting

## Soft Skills

Leadership, mentoring, customer service, written communication/documentation, email, word processing, spreadsheet.

## Projects

**Password Generator;**
**https://github.com/macksm3/HW3-Password-Generator**
**https://macksm3.github.io/HW3-Password-Generator/**
- The project is a secure password generator that prompts for character subsets to include. Password length is also set by the user.
- Homework assignment, responsible for all of it.
- HTML, CSS, JavaScript.

**Work Day Scheduler;**
**https://github.com/macksm3/HW5-Work-Day-Scheduler**
**https://macksm3.github.io/HW5-Work-Day-Scheduler/**
- The project is for local storage of a daily task scheduler with the ability to save info independently for each hour of the work day.
- Homework assignment, responsible for all of it.
- HTML, CSS w/bootstrap framework, JavaScript,  jQuery.

**Project-Wilder;**
**https://github.com/macksm3/Project-Wilder** | **https://macksm3.github.io/Project-Wilder/**
- The project is a space theme, photo collection app that allows users to search for and save pictures from a variety of sources like NASA and SpaceX.
- initial responsibility of UI, built basic look and feel for the project. Took on some of js file work when I had the ability to make it work.
- HTML, CSS w/Materialize framework, JavaScript,  jQuery, particles.js API, with NASA and SpaceX server side APIs for data processing.

# Work Experience

## Senior System Programmer / VTC Engineer / System designer
### Image Stream Medical / Olympus | Littleton, MA
Control systems for world class medical training facilities that give users the ability to operate a vast array of A/V resources throughout a facility from a single control point. Configurable product with technology that is typically one-off custom systems.
- Strategic partner projects
- Protocol Translator

## Senior Development Engineer
### Smith & Nephew Endoscopy | Andover, MA
Pioneer of the "digital operating room" technologies providing a control system to adjust the settings of many of the electronic devices distributed throughout the surgical suite, from a centrally located touch panel.
- Quality system documentation
- System specifications

## Senior Systems Programmer
### Crimson Tech / Univisions Crimson Group | Wilmington, MA
Crestron and AMX programming, system design review. Experience with IP communication technologies, DSP configuration, and PhotoShop.
- Job cost estimating
- Programming department manager

## Proprietor / Consultant / Programmer
### McCosh Consulting | Manchester, NH
Crestron and AMX programming, system design consulting. User Interface ergonomics.
- Significant customer base
- Remote access via IP communication

Specialties / certifications:

Silver Certified Crestron Master Programmer