# Frank Oplinger

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## EDUCATION

**Hobart College**                                                                                      Geneva, NY
*Bachelor of Science in Computer Science and Bachelor of Science in Physics*                           *May 2018*
GPA: 3.50

## WORK EXPERIENCE

Strategic Solutions Group (SSG)                                                                       Needham, MA
*Software Engineer*                                                                          *June 2018 – Present*

**SSG Casetivity Case Tracking Software**
- Developed front end features using React for SSG's Casetivity work flow management software
- Built and maintained dashboard landing pages for each client instance of Casetivity which use configurable SQL queries to display data reports to users upon entering the application
- Using React, designed and built a drag and drop dashboard creator UI to allow clients to create custom landing pages
- Co-built a React front end engine to evaluate runtime-configurable SpEL expressions allowing app configurers to control field visibility and editibility based on other dynamic values on the page

**SSG MIIS Immunization Program Software**
- Worked as a back end Spring Developer to create multiple features and support SSG's MIIS vaccination tracking software which maintains the entire state of Massachusetts vaccination records
- Created a configurable data report used to identify immunization coverage for children in MA including a PDF graph output, Excel spreadsheet output and UI to customize report parameters
- Wrote a Java program to analyze the MIIS patient deduplication genetic algorithm and presented the results to the state of Massachusetts to help better explain the propensity for patient records to automatically merge or require manual merge

**SpotX**                                                                                           Broomfield, CO
*Software Engineering Intern*                                                                        *Summer 2017*
- Worked in a full-stack web development team writing features and fixing bugs for the SpotX publisher tools, admin tools and SpotX public-facing API using AngularJS, PHP and SQL
- Wrote multiple PHP and BASH scripts to help automate SpotX's release process

## PROJECTS

**Senior Honors Thesis Project: Hockey Advanced Analytics Software**
- Built a layered web application designed to allow for the easy collection and analysis of advanced hockey statistics using JavaScript, CSS, HTML, PHP and SQL
- Users can record in game statistics, view previous stats and share their acquired statistics with other scouts in their network

## LEADERSHIP EXPERIENCE

**HWS RockSat-C Team**                                                                                  Geneva, NY
*Student Leader*                                                                        *Fall 2015 – Spring 2017*
- Accepted into NASA's RockSat-C which allows undergraduate students to design, build, and fly a payload into space on a NASA sounding rocket
- Led a team of six students to build an experiment to put into the payload that measured the high altitude flux of the muon particle
- Wrote all software needed for payload functionality and data analysis for flight data using Arduino, Python and Visual Basic

**HWS Engineering Club**                                                                                Geneva, NY
*Co-President & Co-Founder*                                                              *Fall 2016 – Spring 2018*
- Led weekly lectures and projects with groups of 6-20 students teaching Java coding, OOP coding principles, Arduino design and other generic engineering skills such as 3D printing and basic AutoCAD

## NCAA EXPERIENCE

**Division III Hobart Hockey Team**                                                                     Geneva, NY
*Goaltender*                                                                             *Fall 2014 – Spring 2018*
- Hobart hockey varsity starting goaltender

## SKILLS

*Languages & Frameworks:* Java, Spring, JSF, JavaScipt, React.js, Redux, TypeScript, SQL, Visual Basic
*Tools:* Linux, git, SVN, Eclipse, Visual Studio, JHipster