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# MATTHEW SABATINI

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- OBJECTIVE:** Innovative computer engineering student interested in full-time employment. Offering passion, creativity and professionalism to contribute to current company engagements.
- EDUCATION:** **Stevens Institute of Technology**, Hoboken, New Jersey Expected May 2018  
**Major:** Computer Engineering, Major GPA: 3.65, Dean's List, Presidential Scholarship  
**Concentrations:** Computer Architectures, Electronics and Embedded Systems  
**Subjects:** Microprocessor Systems, Transport Phenomena in Solid State Devices, Digital System Design (VLSI), Real-Time and Embedded Systems, Computer Architectures, Algorithms and Data Structures, Circuits and Systems, Information Systems (TCP/IP)
- SKILLS:** **Programming:** C++, Bash/UNIX Scripting, Python, Assembly, VHDL, PHP, SQL, HTML, CSS, JavaScript, JQuery, NodeJS, Angular, Express, Mongo, Bootstrap, Git, Agile  
**Hardware:** Freescale HCS12 Microcontroller, NEXYS2 FPGA, Arduino  
**Programs:** Xilinx, NASA GMAT, MATLAB, HCS12 IDE, Word, Excel, Photoshop  
**Personal:** Excellent time management, team player, self-motivated, attention to detail
- AWARDS:** **3<sup>rd</sup> Place**, Digital Healthcare Hackathon – Machine Learning for Patient Diagnoses 2017  
Samsung Mobile App Academy Competition, Invited Competitor 2013
- EXPERIENCE:** **NASA**, Tradespace Analysis Tool for Constellations (TAT-C), Hoboken, NJ 5/17 – 8/17  
*Research Assistant*, Stevens Institute of Technology
- NASA Goddard Space Flight Center's TAT-C program created a platform to perform pre-Phase A mission analysis of Distributed Spacecraft Missions (DSM) to reduce the cost, risk and implementation schedule of future NASA and private missions.
  - Created a knowledge base to create a centralized store of structured data and compose new mission concepts from existing models and previous outputs.
- iSport360 SportsTech**, Manalapan, NJ, *Technology Lead* 5/16 – Present
- Reduced cold start load time by over 90% through compression and reducing page bloat.
  - Manage a small team of web and mobile developers through agile sprints.
- MediQuest**, Records Retrieval, Hackensack, NJ 10/14 – 3/16  
*Director of Product Development, Co-Founder*
- Developed an Internet application for retrieving and storing medical records.
  - Supervised a team of six on a daily basis and provided training on the new software.
  - Implemented security measures consistent with the requirements of HIPAA law.
- SAT/ACT Question of the Day**, *Creator* 03/12 – 4/14
- Built free and paid Android applications downloaded by hundreds of thousands.
  - Received notice from College Board, the administrator of the SAT.
  - Applications were later purchased by a private SAT-study organization.
- AndroidAuthority**, *Technology Writer* 9/11 – 7/12
- Wrote dozens of pieces, reaching millions of article views and still counting.
- PUBLICATIONS:** **Quantum File Compression**, Center for Distributed Quantum Computing. 2017-2018  
**AWS-EC2-Security-Groups**, a universal package for managing ec2 firewalls. 2017  
**CZML-writer**, a package for generating cesium CZML files from orbital elements. 2017