

Adam Seidman

<https://seidman-ad.am/>

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Education

ROCHESTER INSTITUTE OF TECHNOLOGY, Rochester, NY

Expected Graduation: May, 2022

Bachelors/Masters of Science: Computer Engineering

GPA: 3.6/4.0

Coursework

Multiple Processor Systems*	Real Time and Embedded Systems*	Digital IC Design
Senior Design 1&2*	Computer Science 1&2	Linear Algebra
Digital System Design 1&2	Digital Electronics	Differential Equations
Introduction to Software Engineering	Discrete Math	Statics/Strengths of Materials
Digital Signal Processing	Computer Organization/Architecture	Applied Programming in C
* = Current Coursework		

Work Experience

Junior Software Developer – EMA Design Automation, Rochester, NY Developed automated unit/integration tests in C# for UltraLibrarian.com microservices.	Summer 2021
Junior Software Developer – EMA Design Automation, Rochester, NY Worked in a small team to develop and test a VueJS-based file management solution for electrical engineering projects.	June 2019-January 2020
Computer Engineering Research – Rochester Institute of Technology, Rochester, NY Worked in several small teams with the RIT computer engineering department to analyze cyber-attack data, construct useful applications for embedded systems, and create social media security tests.	May 2018-August 2018
Light and Sound Board Manager – NB Township Board of Education, North Brunswick, NJ Managed all technical aspects for leased school space/events, including opening and closing schools for clients.	January 2015-Present
Ropes Course Counselor – Eagles Landing Day Camp, North Brunswick, NJ Responsible for training, logistics, and maintaining safety equipment. Ran several classes for kids to use the ropes course	Summer 2017/2018

Projects

Magnetorheological (MR) Shock Control System – Designed, prototyped, and implemented a control system with a custom PCB to magnetically power a semi-active suspension for the RIT Baja off-road vehicle. The MR system is the first and currently only of its kind in the Baja collegiate series.

Masters Research – Currently working in a research group for RIT Computer Engineering faculty to develop my masters thesis on high performance/quantum computing simulation compilers.

Modular Data Acquisition System (DAQ) – Working on a new primary DAQ for use on RIT Baja's off-road vehicle. This system is raspberry pi-based, and has an assortment of shields to connect to on-car sensors. Live feedback will be available.

Eagle Scout Project – Created a media center comprised of a small library with homemade bookshelves and seven computers/equipment at the North Brunswick township senior center.

Online Finance Tracker – Using Java and Windows server, developed custom software for the RIT Baja Club members to submit/view purchase orders as well as track their dues and sub-system budgets.

Personal Website – Developed custom website using VueJS and GitHub-Pages. See more at <https://seidman-ad.am/projects>

Skills

Software - Visual Studio, Git/SVN, SolidWorks, AutoCAD, IntelliJ, Eclipse, PyCharm, Autodesk Inventor, MS Office
Languages - Java, C, C++, C#, VueJS, JavaScript, HTML, CSS, SCSS, VHDL, Verilog, Python, Arduino, Assembly
Other - Machining, Organization, Self-Management
Interests - Home Automation, Chess, Racing, Puzzles

Activities

RIT Baja SAE, Suspension Controls Engineer, R&D, & Treasurer	August 2017 – Present
RIT Honors Program, Member	March 2018 – Present
FIRST Robotics, Captain/Driver	September 2013 – July 2017
Boy Scouts, Senior Patrol Leader/Eagle Scout	September 2005 – July 2017