

## Education

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<b>Princeton, NJ</b>	<b>Princeton University</b>	<b>Fall 2015 – May 2019</b>
Bachelor of Science in Engineering - Computer Science		
• Overall GPA: 3.59 of 4.0   Departmental GPA: 3.71 of 4.0		
Selected Coursework:		
• Operating Systems, Networks, Data Structures & Algorithms, Neural Networks Applications & Theory		

## Employment

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<b>Software Development Intern</b>	<b>Optiver</b>	<b>Summer 2017, Summer 2018</b>
Automated Trading Systems   C++, Java   <a href="https://www.optiver.com/">https://www.optiver.com/</a>		
• Implemented and coordinated firmwide protocol upgrades for sending orders to stock and options exchanges.		
• Developed functionality within firm's inhouse simulated trading environment to seamlessly switch between real market and generated data sources for simulated trading courses used to onboard new traders.		

<b>Research Assistant</b>	<b>Snyderphonics</b>	<b>2016 – 2018 Academic Years</b>
Electronic Instrument Design & Development   C, JavaScript   <a href="http://www.snyderphonics.com/">http://www.snyderphonics.com/</a>		
• Developed firmware for electronic instrument control interface.		
• Refactored web art installations for asynchronous loading, dropping page preload times from over a minute to seconds.		

<b>Software Development Intern</b>	<b>Analytical Graphics Inc.</b>	<b>Summer 2016</b>
glTF Pipeline   JavaScript, Node.js   <a href="https://www.npmjs.com/package/glTF-pipeline/">https://www.npmjs.com/package/glTF-pipeline/</a>		
• Implemented 3D-model cache optimization stage, increasing frame rates by up to 100% in vertex-bound cases.		
• Created command-line interface for client-end use of the 3D model optimization pipeline.		
• Implemented pipeline stage to generate normals for input models that lacked proper vertex normals.		

<b>STEM Intern</b>	<b>National Security Agency</b>	<b>Summer 2015</b>
• Implemented cryptographic methods in Cryptol (Haskell based DSL) for formal verification.		

## Selected Projects

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<b>uPdo</b>	<b><a href="https://rmw2.github.io/uPdo/">https://rmw2.github.io/uPdo/</a></b>	<b>Spring 2018</b>
• A web interface and Web Audio implementation of the visual programming language Pure Data.		
• Included refactoring an abandoned project to implement the Pure Data backend in JavaScript.		
• Stack: JavaScript, React   Source: <a href="https://github.com/rmw2/uPdo">https://github.com/rmw2/uPdo</a>		

<b>Meetable</b>	<b><a href="http://becker.codes/meetable/">http://becker.codes/meetable/</a></b>	<b>Spring 2017</b>
• A web application to simplify scheduling meetings.		
• Integrates with users' Google Calendars to streamline time selection to only when users are available.		
• Stack: Node.js, MongoDB, Bootstrap   Source: <a href="https://github.com/JoshuaStorm/meetable">https://github.com/JoshuaStorm/meetable</a>		

<b>WebSynth</b>	<b><a href="http://becker.codes/WebSynth/">http://becker.codes/WebSynth/</a></b>	<b>Summer 2016</b>
• A dynamic subtractive synthesizer built into a single webpage.		
• Stack: JavaScript, p5.js   Source: <a href="https://github.com/JoshuaStorm/WebSynth">https://github.com/JoshuaStorm/WebSynth</a>		

## Skills

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- Most experienced with Java, C, and JavaScript.
  - Some experience with C++, Python, Cryptol, and Swift.
  - Proficient with Git version control.