

## Joshua Storm Becker

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### Present Address

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### Permanent Address

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Denton, MD 21629  
<http://becker.codes/>

### Education

Princeton University, Princeton, NJ	May 2019
Bachelor of Science in Engineering - Computer Science	
GPA: 3.52 of 4.0	
High School Diploma, North Carolina High School, Ridgely, MD	May 2015
GPA: 4.0 of 4.0 — ACT: 34 of 36	

### Experience

<b>Analytical Graphics Inc.</b> Exton, PA	Summer 2016
<b>Software Development Intern</b>	
<ul style="list-style-type: none"><li>Implemented 3D model (glTF) optimization pipeline.</li><li>Bug fixed issues in the Cesium.js 3D globe and maps library.</li><li>Supported the beta launch of <a href="http://cesiumjs.com/">http://cesiumjs.com/</a>.</li></ul>	
<b>Princeton University</b> Princeton, NJ	Winter-Spring 2016
<b>Computer Science Grader &amp; Tutor</b>	
<ul style="list-style-type: none"><li>Tutored and graded for Princeton University's introductory computer science course (COS 126).</li></ul>	
<b>National Security Agency</b> Fort Meade, MD	Summer 2015
<b>Gifted &amp; Talented Intern</b>	
<ul style="list-style-type: none"><li>Implemented cryptographic methods in Cryptol (Haskell-based domain specific language).</li><li>Produced literate specifications of cryptographic methods.</li></ul>	

### Projects

<b>WebSynth</b>	(Active) Summer 2016
<ul style="list-style-type: none"><li>A dynamic subtractive synthesizer built into a single webpage.</li><li>Stack: JavaScript, Node.js, p5.js</li><li>URL: <a href="http://becker.codes/WebSynth">http://becker.codes/WebSynth</a></li></ul>	
<b>Zenith</b>	Spring 2016
<ul style="list-style-type: none"><li>A health app for improving one's mental focus and emotional wellbeing.</li><li>Produced with a team at Princeton University following a successful Hackathon.</li><li>Stack: Swift, XCode, Firebase, Mixpanel</li><li>URL: <a href="http://www.reachzenith.com/">http://www.reachzenith.com/</a></li></ul>	

### Computer Skills

Proficient: Java, JavaScript, Python, p5.js  
Familiar: Haskell, Swift, C#, Node.js

### Selected Academic Honors

Roberta B. Holt Midshore Foundation Scholarship	2016
Northrop Grumman Engineering Scholar	2015
MIT Online Science, Technology, & Engineering Community Alumni	2014

### Selected Extracurricular Activities

WPRB Princeton Radio Station — Co-Director of Production	2015-2016
Princeton University Laptop Orchestra (PLOrk)	2015-2016