

Miles Grossenbacher

452 W 149th st. New York, NY 10031 (512) 965-9420 mrg498@nyu.edu

Education

GPA 3.537

- *New York University Courant Institute of Mathematical Sciences*
Bachelor of Arts in **Computer Science**
 - *New York University, Steinhardt, New York, NY*
Bachelor of Music in **Music Technology**
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May 2020

May 2019

Tech Skills: JavaScript, Java, C, Swift, C++, Python, HTML/CSS/Bootstrap, MERN Stack, Spring MVC, Git and GitHub, jQuery, SQL, variety of templating frameworks, JUCE, OpenGL,

Technical Experience:

- Worked as the lead frontend web developer on analogcollective.com. Site to be published July 2020. Worked within the Jinja templating engine to style webpages with HTML/CSS/Bootstrap and wrote frontend Javascript with jQuery. Demo of Login/SignUp page in my portfolio.
 - Worked as a Junior Software Developer at handofftech.com. Implemented new features and functionalities for their retailer portal. Wrote backend code in Java within the Spring MVC Framework, SQL queries, frontend code with javascript/jQuery, HTML/CSS/Bootstrap in the Thymeleaf templating engine. Demos in my portfolio.
 - Built a children's arcade style game called Splash Kid for iOS in Swift. Used the SpriteKit framework for animation of sprites and gameplay. In charge of endless world/obstacle generation and collision detection. Demo in portfolio.
 - Built an Audio Delay plugin in C++ with the JUCE Framework. Utilized signal buffers for real-time audio processing and implemented variable feedback controls for artistically creative delays. Demo in portfolio.
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Related Professional Work Experience:

- **Junior Software Developer at Handoff** (handofftech.com). Backend and frontend development in Java and Javascript within the Spring framework. Build out and implement features for retailers to handle customer orders. *Contact Reference:* Caden Mackenzie (Co-founder), cadenmackenzie@gmail.com
- **Production Assistant at the NYU Clive Davis Institute of Recorded Music**. Responsibilities included assisting students with audio engineering, production, studio work-flow, digital-audio workflow, file management, and digital signal processing concepts. Other responsibilities included general office duties, paper work, and assisting professors and studio technicians.

Contact Reference: Doug Iszlai (Production Center Manager), (917) 789 - 2291

GitHub: <https://github.com/mrg498>

LinkedIn: <https://www.linkedin.com/in/miles-grossenbacher-908b171a3/>

Portfolio Demos: <https://milescodingportfolio.wordpress.com/>