

# Mackenzie Miller

Mackmiller19@gmail.com (407) 462-7858 <https://github.com/Mackmiller>

## TECHNOLOGIES

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**Languages:** JavaScript, Python, HTML, CSS, SQL, MQL, Swift, Arcade

**Frameworks/Libraries:** React.js, Node.js, d3.js, Express, EJS, Axios, Request

**Software:** Github, Postgres, MongoDB, Heroku, ArcGIS Pro, Xcode, Unity, Adobe Suite, Maya

**Concepts:** RESTful APIs, Agile, Object Oriented Programming, MVC Pattern, CRUD Operations

## AWARDS/PROJECTS

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**Music Time Machine:** A full stack web application based upon the Spotify API which enables users to experience specific years in music history by filtering for music genre and release year. Built with Postgres, Node.js and Express

**COVID-19 Dashboard:** Online dashboard which allows the user to interact with Spring 2020 state-level executive orders data, built with ArcGIS and Arcade

**George V. Voinovich Public Innovation Challenge:** Contributed to 2020 winning team by designing dashboard prototypes

**ACcelerate Creativity and Innovation Festival:** Designed an immersive audio experience for exhibition at Smithsonian

**UMiami Interactive Media Competition:** Won first prize in campus-wide Physical Computing competition

## EXPERIENCE

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**Software Engineer Fellow, General Assembly - 2021**

**Orlando, FL**

- Coded web application frontends which utilize Node.js, Express and React
- Coded web application backends which utilize SQL and noSQL databases
- Developed, coordinated and presented web applications in a remote-setting
- Leveraged Agile and SCRUM methodologies to deliver net new web applications

**Data Visualization Designer, [mackmiller.design](http://mackmiller.design) - 2019-2021**

**Orlando, FL**

- Contracted for businesses based in US, Europe, and Africa
- Created digital graphics, maps, and dashboards which improved data insight experience for users

**Fine Arts Coordinator, Westminster Christian School - 2017-2021**

**Miami, FL**

- Managed the Fine Arts department of a K-12 school and taught students ages 8 through 18
- Led market research and implementation of software changes across three school campuses

**Graduate Research Assistant, University of Miami - 2018-2020**

**Coral Gables, FL**

- Assisted in Matlab data creation and literature review for computer science research topics

## EDUCATION

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**General Assembly - 2021**

**Orlando, FL**

- 480+ hours of full stack development coursework

**University of Miami - 2014-2020**

**Coral Gables, FL**

- Master of Fine Arts, with emphasis in Data Visualization and User Experience (UX) Design
- Bachelor of Music, with minors in Communication and Psychology

## COMMUNITY ENGAGEMENT

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**Volunteer, Websites for Musicians - 2018-present**

**Orlando, FL**

- Assisting professional musicians with pricing and design of CMS-based websites

**Volunteer Teaching Assistant, University of Miami Frost School of Music - 2014-2018**

**Coral Gables, FL**

- Taught adults in group and individual classroom settings