Seth Goldin

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Student interested in researching & developing technical solutions in neuroscience & education

EDUCATION

5.459 GPA • 35 ACT • Graduating 6/22

Florida Atlantic University High School Jupiter In Partnership With Max Planck Academy - *High School Senior, FAU Wilkes Honors College* (08/2020-present)

Jupiter High School - *High School Freshman, Sophomore (08/2018-08/2020)*

HONORS & AWARDS

Cameron Impact Scholarship Finalist • National Merit Semifinalist • AP Scholar With Distinction

Magar Fellowship: One of three students chosen to pursue neural data science research at the Max Planck Florida Institute for Neuroscience in a paid summer fellowship.
Peer Mentor: Selected as a mentor for the incoming class of the Max Planck Academy.
Student Of The Month: Nominated by my AP Biology teacher February 2020.

EXPERIENCE

Max Planck Florida Institute For Neuroscience - *Magar Research Fellow (05/2021-present)*

- Accelerated analysis in the **Electron Microscopy Core** under Dr. Naomi Kamasawa by building a **software package** for efficient evaluation of EM freeze fracture replica data.

Catalyst Scientific - *Founder, Lead Software Engineer (01/2021-present)*

- Created affordable embeddable **open-source video chat** for developers to easily integrate into their applications. Powered highly successful education startups including Hours by Fiveable and Curious Cardinals. Certified LLC in Florida.

TopDecked Limited - *Software Development Intern (01/2020-present)*

- Gained experience building **user utilities**, wrote a **k-means clustering implementation**.

SwiftGrade - *Primary App Developer (12/2019-present)*

- Built an **app to view school grades**. Approved by the School District of Palm Beach County Technology Clearinghouse Committee, supports 180 schools with 6000+ users.

Goldin Web Design - *Freelance Web Developer (03/2018-Present)*

*~ View a visual portfolio of all my projects at **https://seth.goldin.io/** ~*

ACTIVITIES & LEADERSHIP

Google Developer Student Club - *Tech Lead, Lead Hackathon Organizer (08/2020-present)*

- Elected as a Tech Lead, created and presented several workshops/events to teach other students about **Git**, **Regex**, and **Chrome Extensions** and support them on their journey.
- Elected Lead Hackathon Organizer for **Hackapalooza**, a 2-day hackathon **programming extravaganza** on September 25-26, 2021 for which I led the planning and execution.

FIRST Robotics Competitions - *Programming Mentor (08/2015-present)*

- Participated in FIRST robotics for over seven years since sixth grade. In that time I have been team captain and now a mentor. Involved in outreach including volunteering at FIRST Lego League competitions, beach cleanups, and STEM education enrichment events.

VOLUNTEERING & SERVICE

College Compendium Corporation - *Director, Lead Developer (06/2021-present)*

- Created a **nonprofit open-source platform** to share high-quality public CS resources.
- Featured on Morning Brew and reached #4 on Product Hunt with over 1000 classes compiled and 70000 students served in 179 countries. Certified Nonprofit in Florida.

Palm Beach County Library - *ReadTogether, Reading & Coding Buddies (08/ 2016-present)*

- Created and implemented a "Coding Buddies" program teaching basic programming.
- Mentor for "Reading Buddies," which paired teens with elementary-aged children with limited access to educational resources to improve their literacy skills.
- Built **ReadTogether**, a platform enabling online reading programs developed with the support of local librarians and used by **Little Smiles** for their offering "Little Readers."

Music With A Master - *Founder, Lead Developer (03/2020-03/2021)*

- Supported professional musicians unable to perform during Covid by **connecting them with passionate students**. Partnered with world-renowned musicians from the Chicago Symphony Orchestra, the Philadelphia Orchestra, and the New York Philharmonic.

Quantum Hospitality House - *Dinner Delivery, Book Drive (05/2017-present)*

QUALIFICATIONS SUMMARY

Programming: Fluent in Java, Python, React, Angular, Dart, C, C++, HTML, PHP, CSS, JavaScript, TypeScript, and Git. For examples of my work, see **github.com/GoldinGuy**
Strengths: Proven leadership/collaborative talents, a natural curiosity, and drive for excellence.
Skills: 3D modeling/CAD design, Adobe Photoshop/Illustrator, sculpture and glassblowing.

*~ Additional information and recommendations available at **linkedin.com/in/sethgoldin** ~*

LINKS

(In case the hyperlinks above fail to resolve)

Projects and Portfolios:

- Personal Website & Project Portfolio: **https://seth.goldin.io**
- GitHub Code Profile: **https://github.com/GoldinGuy**
- Goldin Web Design Freelance Web Development Portfolio: **https://goldinwebdesign.com**
- College Compendium Nonprofit Resources: **https://collegecompendium.org**
- SwiftGrade: **https://apps.apple.com/us/app/swiftgrade/id1495113299#?platform=iphone**
- ReadTogether Virtual Reading Session Platform: **https://readtogetheronline.com**
- Catalyst Embeddable Video Chat Business: **https://catalyst.chat**
- MusicWithAMaster Music Lessons: **https://musicwithamaster.com**

Hackathon, Workshops, Presentations:

- Hackapalooza Hackathon Website: **https://hackapalooza.dev**
  - Opening Ceremony: **https://www.youtube.com/watch?v=WlsLA6XZ4TM**
- All About Git Workshop: **https://www.youtube.com/watch?v=mqhDMv6nIVI**
  - Accompanying Material: **https://github.com/GoldinGuy/UltimateGitResource**
- Rock With Regex Workshop: **https://www.youtube.com/watch?v=Ql2uowN4oTU**
  - Accompanying Material: **https://github.com/GoldinGuy/UltimateRegexResource**
- ReadTogether Initial Demo: **https://www.youtube.com/watch?v=GgGzrM7_CtA**

Additional Information:

- Max Planck Academy High School: **https://mpfi.org/training/max-planck-academy**
- Electron Microscopy Core: **https://mpfi.org/science/scientific-cores/imaging-center-2/**

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