Hi, I'm Jonathan Edward Cirone

A Software Engineer and Physicist

Scientifically literate and prolific full stack web developer with a passion for metrics and beating former "best-yets". Seeking employment in a dynamic environment to grow and be inspired by.

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📱 312-415-0559

🌐 www.JonathanCirone.io

github.com/Ciwonie

EXPERIENCE

Full Stack Web Developer
Northwestern University

05/2018 – 11/2018

Achievements/Tasks

- Prototyped 25 new product sites. Deployed 20+ apps to meet user needs on a weekly basis. Consistently receive high user experience scores for all web development projects. Passionate about building world-class web applications.
- Collaborated with team of four web developers to create a phone application, guiding users to local happy hour locations. Integrated multiple APIs and Google's map interface to display a dynamic interface for exceptional experience.
- Project Two/Project Three --TBD

Contact: Dartaniel Bliss – dartaniel.bliss@northwestern.edu

Undergraduate Student / Researcher
Loyola University Chicago

08/2014 – 05/2019

Achievements/Tasks

- Recognized for superior academic performance as a STEM major six consecutive semesters.
- Hand-selected for Physics-based research as a freshman. Developed low-cost experiment to demonstrate total internal reflection and Snell's law. Publication pending The Physics Teacher Journal.
- Experimental research on electric field applications in Illinois waterway systems to control invasive species. Collaborating data and development with U.S. Army Engineering Corps and LUC's Biology Department to create a deployable electric field.
- Mentored class of twelve first-year physics students as an undergraduate teaching assistant.
- Volunteered 100+ hours as a Veteran Student Aid, supported Loyola's 149 student veteran body in their transition from a military lifestyle to a student mindset.

Contact: Dr. Robert Polak – rpolak@luc.edu

EXPERIENCE CONTINUED

Global Positioning Systems Satellite Operator
U.S. Air Force

07/2010 – 07/2014   *Colorado Springs, CO*

Achievements/Tasks

- Led 8-member team, focused continuity and strengthened accuracy and longevity of the GPS satellite constellation, culminated into $4.1 Billion success for 504 U.S. Central Command Joint Precision Airdrop Operations.
- Instructed 12-week GPS Space Operator Course. Developed academic curriculum tailored for multiple learning styles. Trained a dozen classes composed of 10+ students.
- Evaluated 10,000 training hours provided to over 80 new and current students in a highly technical and stressful environment which operated 35 satellites.

Contact: Maj. Carter – marion.carter@us.af.mil

SKILLS

HTML5   CSS3   Javascript   Bootstrap

Materialize   jQuery   Firebase   AJAX

Web APIs   Node.js   Express.js   React

MongoDB   MySQL   MVC   Handlebars

Git Workflow   Heroku   MATLAB   Circuit Building

EDUCATION

Physics and Mathematics
Loyola University Chicago

08/2014 – 05/2019   *3.66 GPA*

Courses

- Theoretical Mechanics
- Electronics / Lab
- Quantum Mechanics
- Thermal Phys & Stat Mechanics
- Optics / Lab
- Electromagnetism
- Multi Differential Calculus
- Web Development