

# Nicholas Ionata

nionata@ufl.edu • 727-902-4583 • NicholasIonata.com • LinkedIn.com/In/nionata • Github.com/nionata

## EDUCATION

### Bachelor of Science in Computer Science

May 2021

University of Florida, Gainesville, FL

- GPA: 3.90
- Honors Program, Member
- Financed 100% of college tuition with a merit-based scholarship
- Relevant Coursework: Programming 2 (C++), Discrete Structures, Data Structures & Algorithms (C++), Computer Organization (ARM), and Software Engineering (JavaScript)

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, C++, Swift, ARM

**Technologies:** Node, React, Vue, AWS (ES, S3, Lambda, DynamoDB), MySQL, PostgreSQL, Git, Mocha

## WORK EXPERIENCE

**Introduction to Software Engineering TA**, University of Florida

August 2019 – Current

Gainesville, FL

- Taught core course content (Mongo, Express, React, Node, Git, Agile) weekly to 60 students
- Updated technical coursework, led weekly TA meetings, and answered student questions

**Backend Engineering Intern**, Stream Monkey

May 2019 – July 2019

Orlando, FL

- Reindexed 1.08 B docs from ES 2.3 to 6.7 in ~14 hrs with Lambda, DynamoDB, and S3
- Supported the transition to MediaConvert, leading to dramatically faster transcoding and half the S3/Akamai data access, by creating a transferable data aggregator and writing unit tests
- Refactored Lambda authorizer (~20k reqs/hr): decoupled data access from the main controller to enable thorough unit testing, added account lookup by Stripe ID, and wrote additional unit tests
- Developed a PDF generating service to serve invoices on demand with S3, Lambda, and Cloudfront

**Software Engineering Intern**, Raymond James Financial

May 2018 – August 2018

St. Petersburg, FL

- Developed a cache staleness tool for an existing Java Spring Enterprise Service to support an effort to reduce latency below 1500ms
- Assessed the SSDLC in a team of 6 interns and presented a React MVP for a vulnerability dashboard

**Co-Founder/Software Developer**, Scanned LLC

September 2016 – September 2018

Palm Harbor, FL | Gainesville, FL

- Won 1<sup>st</sup> place and \$10,000 from the Next Generation Tech Startup Competition
- Developed the iOS, Android, and web apps with Swift, React Native, React Redux, and Firebase

**Industrial Engineering Intern**, Lockheed Martin

May 2017 – August 2017

Clearwater, FL

- Set up a work-in-progress inventory tool with VBA that led to cost savings of \$10,000+
- Developed an estimating tool with VBA that transformed a process from 3 hours to 10 minutes
- Presented underperforming manufacturing operations weekly to the Space team

## PROJECTS

**Bloom**

January 2019 – April 2019

github.com/nionata/Bloom

- Served as scrum master and dev lead for a team of five following an Agile methodology
- Configured a CI/CD DevOps pipeline with TravisCI, Heroku, and Mocha
- Implemented the announcements API, middleware, and routing on the Node/PostgreSQL backend

**Danger.ai**

January 2019

devpost.com/software/danger-ai-ut58q6

- Won 2<sup>nd</sup> Place and the Best Use of Google Cloud Platform at SwampHacks2019
- Developed a serverless REST API in Flask and a video/data repository using Google Cloud Platform
- Developed a dashboard in React that displayed processed videos and frame-by-frame metrics

## AWARDS AND ACTIVITIES

**Director of Information Technology**, Interfraternity Council

December 2018 – Current

- Consolidated information from the council and delegated website updates to an assistant director

**Home Depot Entrepreneurial Spirit Prize**, SwampHacks2018

January 2018

- Received based on a great user experience, valid solution to a problem, and technical implementation