

Nicholas Ionata

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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

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 1st 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 2nd 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

2nd Place and the Best Use of Google Cloud Platform, SwampHacks2019

January 2019

- Received for my team's project Danger.ai, a video monitoring system powered by deep learning

100° Celsius Award for Hottest Ideas, Raymond James Financial

August 2018

- Recognized as being the intern with the "Hottest Ideas" in the 2018 IT Internship Program

Home Depot Entrepreneurial Spirit Prize, SwampHacks2018

January 2018

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