

Nicholas Ionata

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EDUCATION

B.S. Computer Science @ University of Florida Honors Program, August 2017 - Expected May 2021

- **GPA: 3.91**
- Coursework: Software Engineering (JavaScript), Software Security (OWASP), Database Systems (SQL), Data Structures & Algorithms (C++), Programming 2 (C++), Operating Systems (C++), Computer Organization (ARM)

SKILLS

Languages: Experienced: TypeScript, JavaScript, Java, Python, SQL; Familiar: C++, Swift, ARM

Technologies: Node, AWS – Lambda/CloudFront/ES/Kinesis/S3/DynamoDB/EC2, React, PostgreSQL/MySQL, Git, Mocha

WORK EXPERIENCE

Software Engineer Intern @ Visa, May 2020 – Current

- Won 3rd place in intern hackathon with a data-driven offers platform – **Node/PostgreSQL/Nginx/Docker/EC2**
- Collaborated with 5 interns on a white paper on financial empowerment for the 1.7 billion unbanked adults worldwide

Software Engineer @ Independent Contractor, April 2020 - Current

- Developed a distributed stats ingestion service to replace a client's legacy system increasing scalability and flexibility while reducing monthly AWS costs by 73% – **TypeScript/CloudFront/Lambda/Kinesis/Elasticsearch**
- Fixed production issues for a client's web app by refactoring routing and a PDF service – **Node/Express/Heroku**

Software Engineer @ Engaging Learning Lab / CaSMM, January 2020 – Current

- Developed actions to create a CI/CD DevOps pipeline – **Node/GitHub Actions/Docker/Heroku**
- Led backend development of a headless CMS and Arduino code compiler – **Node/PostgreSQL/Docker**

Intro to Software Engineering TA @ University of Florida, August 2019 - December 2019

- Taught core course content weekly to 60 students – **Mongo/Express/React/Node/Git/Agile**
- Led weekly TA meetings, held semiweekly office hours for students, and updated technical coursework

Backend Engineer Intern @ Stream Monkey, May 2019 - July 2019

- Migrated 1.08 billion documents to Elasticsearch 6.7 ~14 hrs. – **Node/Lambda/DynamoDB/S3/Elasticsearch**
- Supported the transition to MediaConvert leading to a 50% reduction in origin data access and faster transcoding
- Developed an invoice service to serve and create PDFs for customers – **Node/CloudFront/S3/Lambda**

Software Engineer Intern @ Raymond James Financial, May 2018 - August 2018

- Developed a cache staleness tool to support an effort to reduce service latency below 1500ms – **Java/Spring**
- Assessed the SSDLC in a team of 6 interns and developed a proof of concept vulnerability dashboard – **React**

PROJECTS

Bloom, <https://bizbloom.herokuapp.com>, January 2019 - April 2019

- Served as scrum master and dev lead for a team of five following an Agile methodology
- Configured a CI/CD DevOps pipeline – **TravisCI/Mocha/Heroku**
- Implemented key API routes and core middleware – **Node/Express/PostgreSQL**

Danger.ai, <https://devpost.com/software/danger-ai-ut58q6>, January 2019

- Won 2nd Place and the Best Use of Google Cloud Platform at SwampHacks V by developing a full stack web app to display processed videos and granular metrics – **React/Flask/Cloud Functions**

Scanned LLC, <https://nicholasionata.com/Scanned-Website>, September 2016 - September 2018

- Won 1st place and \$10,000 from the Next Generation Tech Startup Competition
- Developed the iOS, Android, and Web apps – **Swift/React Native/React/Firebase**

ACTIVITIES / AWARDS

1st in the US and 3rd place globally (out of 50 teams) @ Visa Global Intern Hackathon

Technology Director @ SwampHacks VII

Technical Mentor @ SwampHacks VI

Director of Information Technology @ Interfraternity Council

2nd place and Best Use of GCP @ SwampHacks V

1st Place & \$10k @ Next Generation Tech