Nicholas Ionata

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EDUCATION

Bachelor of Science in Computer Science   May 2021
University of Florida, Gainesville, FL
- GPA: 3.92
- 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. Petersburgh, 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

Home Depot Entrepreneurial Spirit Prize, SwampHacks2018   January 2018
- Received based on a great user experience, valid solution to a problem, and technical implementation