Tom O'Shaughnessy

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EDUCATION

- **Rutgers University** — New Brunswick, NJ
  B.A., Mathematics with Computer Science Minor (GPA: 3.7) — *Jan. 2018 - May 2020*
  - Graduated with Honors
  - Relevant courses: Computer Architecture and C Programming, Data Structures and Algorithms in Java, Design and Analysis of Algorithms

EXPERIENCE

- **Select Medical** — Mechanicsburg, PA
  DevOps Specialist — *Aug. 2021 - Present*
  - Created and supported production deployment scripts using Gitlab CI/CD
  - Managed hybrid cloud infrastructure and identity services in Azure
  - Fixed production deployment issues by coordinating with security and DBAs for firewall rules and database permissions
  - Troubleshooted network connectivity issues using Wireshark, Fiddler, and tcpdump
  - Managed infrastructure and application alert system using PRTG Monitor and Splunk alerts

  IS Engagement Committee Member — *July 2021 - Present*
  - Selected by director to meet biweekly with the CIO and fellow members to discuss employee survey results and changes to improve employee engagement
  - Presented survey results and change implementation plan during IS departmental meeting in front of over 400 viewers
  - Participated in video clips with fellow members discussing career advancement strategies

  Software Developer — *July 2020 - July 2021*
  - Full stack Agile development and support of software built with Typescript, React, .NET Core, and Azure Cosmos DB
  - Implemented front end authentication and token management for chetcommunity.com (CHET) using Microsoft Authentication Library
  - Monitored and deployed CHET via Azure App Service
  - Created automated integration testing using a mock API service worker and React testing library
  - Discussed and documented standards as a member of the developer standards committee

- **Mathnasium** — North Brunswick, NJ
  Instructor — *Feb. 2020 - July 2020*

- **Rutgers Math Department** — New Brunswick, NJ
  Grader for Intro to Real Analysis and Intro to Math Reasoning — *Jan. 2019 - Jan. 2020*

- **ESS** — Cherry Hill, NJ
  IT Specialist — *May 2018 - Sept. 2019*
  - Imaged computers, supported end users, and troubleshooted problems

PROJECTS

- **Home Lab**   *Nov 2021 - Present*
    – Wireguard VPN peering with cloud VPS
    – Infrastructure monitoring with Prometheus and Grafana
    – Home automation with Home Assistant

- **Guesstimoji**
  www. github. com/ 2Shaun/ guesstimoji   *May 2020 - Present*
    – Deployed prototype to Azure Kubernetes Service
    – Built with the MERN stack, GraphQL, and Websockets
    – Tested in Gitlab CI using Cypress and Docker compose
    – Hosted and managed on Linux VPS

AWARDS

Lawrence Corwin Memorial Math Prize	2020
Jacqueline B. Lewis Memorial Award	2020
Henry G. Sanders 1925 Memorial Scholarship in Mathematics	2020
Best Mathematics Team of NJ Junior Colleges at NJUMC	2017