

# Peter (Rocky) Villano

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## PROFESSIONAL EXPERIENCE

**Center for Research Computing**, University of Notre Dame

*Assistant Research Programmer - Wellbeing at Work*

July 2019 - April 2021

- Organized a series of lightning talks to facilitate interdepartmental knowledge transfer
- Empowered client to resolve issues independently with expressive administrative tools
- Designed dynamic visualizations for instant feedback in a React Native app
- Implemented a RESTful API with integrated JSON Schema validation
- Deployed web service using Docker-Compose, Nginx, and Bash Scripts

**Computer Graphics and Visualization Lab**, Purdue University

*Honors Research Project (for credit)*

Jan 2019 - May 2019

- Created automatic statistics generator that integrated Python and Excel
- Contributed to an Android app, using camera and networking APIs in Java

**Center for Research Computing**, University of Notre Dame

*Undergraduate Research Assistant (Summer)*

May 2017 - Aug 2018

- Developed Android app used for machine learning data acquisition in Java
- Implemented an image upload server backend API using PHP and SQL
- Programmatically generated insightful visualizations in Python

**Engineering and Science Computing**, University of Notre Dame

*Computer Consultant (Summer)*

June 2013 - Aug 2016

- Collaborated with students, professors, and staff to solve IT problems
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## LEADERSHIP EXPERIENCE

**BoilerMake Hackathon**, West Lafayette IN

*Event Planner, Social Media Manager*

Jan 2016 - Dec 2019

- Directed advertising that attracted 1600 applicants to Purdue's premier hackathon

**Boy Scouts of America**, Troop 572, Granger IN

*Eagle Scout*

June 2008 - June 2015

- Lead a team of 20 volunteers in the construction of telescope platforms at Potawatomi Wildlife Park, IN
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## EDUCATION

**Purdue University**, West Lafayette, IN

*B.S. in Computer Science Honors; Minors in Mathematics & Psychology*

May 2019

- Overall GPA: 3.2; Major GPA: 3.7
  - Intro. Computer Animation: Invented color-blind accessibility software utility using C++ and Windows APIs
  - I/O (workplace) Psychology: leadership, inclusivity, and positive work environments
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## TECHNICAL SKILLS

**Proficiencies:** Bash, Blender, C, C++, C#, Django, Docker, GIMP, NGINX, Java, JavaScript, Linux, macOS, Postgres, Python, React, React Native, SQL, Unix, Windows

**Misc. Skills:** 3D Printing, Safe Cracking, Wilderness Survival, Poetry