

# Nikolai Shields

---

116 Cummings Rd, Pensacola FL

✉ [contact@nikolaishields.com](mailto:contact@nikolaishields.com) ☎ +1 850 501 8951 🌐 [nikolaishields.com](http://nikolaishields.com)

---

## Education

**University of West Florida** (Pensacola, FL) *B.S. in Software Engineering*, (May 2015 - Present)

*Founder & President*, Cybersecurity Club

*Most Creative*, Codefest 2017

*Recipient*, SURP Grant 2018

**Pensacola State College** (Pensacola, FL) *A.A. in General Studies*, (January 2014 - April 2015)

## Skills

**Programming** : Bash, Python, HTML/CSS, C, Java, Latex, R Markdown

**Hardware** : Enterprise Hardware, Arduino, Raspberry pi

**Virtualization** : Xenserver, ESXi, vSphere, vCenter, XenCenter

**3D Modeling** : Autodesk Inventor, Autodesk Fusion 360, Solidworks

**Workflows** : Jira, Spiceworks, Git, Agile

**Automation** : Docker, Docker Swarm, Jenkin

## Experience

**University of West Florida, Pensacola, FL — Research Assistant**, (June 2015 - Present)

- Developed forensic procedures by testing industry toolsets on smart devices
- Aided in the development of a Software Assembly Pipeline
- Designed and administrated a 32 Node cluster-computer
- Fabricated 3D food printing mechanisms
- Modeled hydrodynamic drag forces of satellite tags on marine life
- Manufactured and designed custom parts and tools using CNC machines and 3D printers
- Developed a cyber-range for security training, competition, and research in collaboration with IHMC

**Self Employed, Pensacola, FL — Freelance IT Consultant**, (November 2016 - Present)

- Increase client satisfaction and productivity
- Web Development and website maintenance
- Optimized client technology use for day-to-day business tasks
- Mail server configuration
- Small business networking solutions

**University of West Florida, Pensacola, FL — Helpdesk Technician**, (June 2015 - November 2016)

- Administrated Linux, Windows, Mac, and Unix systems
- Managed switch, router, and firewall configurations
- Administrated ESXi and Xenserver hypervisors
- Facilitated desktop support
- Configured both hardware and software for testing and development environments

**University of West Florida, Pensacola, FL — Teacher's Assistant**, (August 2016 - December 2016)

- Created cybersecurity coursework for an emerging degree plan, under the new College of Cybersecurity
- Developed and tested student laboratories
- Tutored students in fundamentals of cybersecurity and ethical hacking