


Michael K. Mabey

email@mikemabey.com ◇ mikemabey.com ◇  github.com/mmabey ◇



EDUCATION

| | |
|--|-----------|
| Ph.D. Computer Science — Information Assurance | Dec 2017 |
| Arizona State University | Tempe, AZ |
| Committee: Gail-Joon Ahn (Co-Chair), Adam Doupé (Co-Chair), Stephen S. Yau, Jooyung Lee, Ziming Zhao | |
| Dissertation: Forensic Methods and Tools for Web Environments ◇ | |
| M.S. Computer Science — Information Assurance | Aug 2011 |
| Arizona State University | Tempe, AZ |
| Committee: Gail-Joon Ahn (Chair), Stephen S. Yau, Dijiang Huang | |
| Thesis: Collaborative Digital Forensics: Architecture, Mechanisms, and Case Study ◇ | |
| B.S. Computer Science — Information Systems | May 2009 |
| Utah State University | Logan, UT |

EXPERIENCE SUMMARY

| | |
|--|--|
| Software Engineer II | Jul 2019 – Present |
| OODA Health, Inc. (Acquired by Cedar Jun 2021) | Salt Lake City, UT |
| Subject Matter Expert (Contractual) | Sep 2019, Jul 2020 – Sep 2020 |
| Certification Partners, LLC | Phoenix, AZ |
| Computer Scientist (U.S. Army Civilian) | Dec 2017 – Jun 2019 |
| Data Science Directorate, Network Enterprise Technology Command (NETCOM) | Phoenix, AZ |
| Adjunct Professor | Jan 2019 – May 2019 |
| Arizona State University | Tempe, AZ |
| Research Assistant | Nov 2009 – Dec 2017 |
| Security Engineering for Future Computing (SEFCOM) Lab ◇, ASU | Tempe, AZ |
| Civilian Reserve/Intern | May 2016 – Aug 2016 |
| Arizona Department of Public Safety | Phoenix, AZ |
| Teaching Assistant | Aug 2010 – Dec 2015 |
| Arizona State University | Tempe, AZ |
| SAT/ACT Instructor | Sep 2015 – Oct 2015 |
| Minerva Learning, LLC | Chandler, AZ |
| Summer Intern | Jul 2015 – Sep 2015 |
| Arizona Cyber Threat Response Alliance (ACTRA) | Phoenix, AZ |
| Teaching Assistant (Instructor of Record) | Aug 2011 – Dec 2014 |
| Arizona State University | Tempe, AZ |
| Student Trainee (U.S. Army Civilian) | Jun 2013 – Aug 2013, Jun 2014 – Aug 2014 |
| Army Cyber Command (ARCYBER) | Fort Meade, MD |
| Graduate Student Summer Intern | May 2011 – Jul 2011 |
| Sandia National Laboratories | Albuquerque, NM |

| | |
|---|---|
| Graduate Student Recruitment Specialist/Webmaster Electrical & Computer Engineering Department, USU | <i>Jul 2006 – Aug 2009</i> Logan, UT |
| Technician Aid Electrical & Computer Engineering Department, USU | <i>Sep 2006 – Aug 2009</i> Logan, UT |
| Store Attendant Electrical & Computer Engineering Department, USU | <i>Jun 2005 – Sep 2008</i> Logan, UT |
| Lab Technician KWM Electronics Co. | <i>May 1997 – Aug 2002</i> West Jordan, UT |

TEACHING EXPERIENCE

| | |
|--|---|
| Adjunct Professor Arizona State University | <i>Jan 2019 – May 2019</i> Tempe, AZ |
|--|---|

- Taught CSE 469 Computer and Network Forensics which covered basics and history of digital forensics, proper forensic processes, hard drive geometry, volume analysis, file systems (ext4 in particular), and forensic techniques for email, mobile devices, web environments, and the cloud.
- Designed and taught a senior-level, technically advanced course (CSE 469) with innovate homework, group projects, and in-class labs to apply the processes and principles of digital forensics by writing forensic programs and by using industry-standard software to analyze evidence. Exposed the students to cutting-edge and seminal forensic research papers by a literature review of novel scientific methods and techniques to acquire, store, analyze, and present digital forensic evidence.

Invited Lectures

| | |
|---|--|
| · <i>Lecture Title: "Digital Forensics and the Internet of Things"</i> Class: CSE 469 Computer and Network Forensics, Arizona State University | <i>Feb 2017</i> <i>Invited by: Dr. Ziming Zhao</i> |
| · <i>Lecture Title: "IoT Security"</i> Class: CSE 465 Information Assurance, Arizona State University | <i>Nov 2016</i> <i>Invited by: Dr. Stephen S. Yau</i> |
| · <i>Lecture Title: "Introduction to Cryptography"</i> Class: CSE 465 Information Assurance, Arizona State University | <i>Sep 2016</i> <i>Invited by: Dr. Stephen S. Yau</i> |

| | |
|---|---|
| Teaching Assistant Arizona State University | <i>Aug 2010 – Dec 2015</i> Tempe, AZ |
|---|---|

- CSE 465 Information Assurance with Dr. Gail-Joon Ahn: Fall 2010, Fall 2015.
- CSE 469 Computer and Network Forensics with Dr. Gail-Joon Ahn: Spring 2015.
- FSE 100 Introduction to Engineering with Dr. Ryan Meuth: Spring 2014.
- CSE 423/424 Capstone I and CSE 485/486 Capstone II with Dr. Debra Calliss: Spring 2014.
- CSE 467 Data & Information Security with Dr. Gail-Joon Ahn: Spring 2011.

| | |
|--|--|
| SAT/ACT Instructor Minerva Learning, LLC | <i>Sep 2015 – Oct 2015</i> Chandler, AZ |
|--|--|

- Individual tutor for a high school student preparing for the PSAT.

| | |
|--|---|
| Teaching Assistant (Instructor of Record) Arizona State University | <i>Aug 2011 – Dec 2014</i> Tempe, AZ |
|--|---|

- CSE 465 Information Assurance: Fall 2014.
- FSE 100 Introduction to Engineering: Fall 2011 – Fall 2013 (5 semesters).

TEACHING INTERESTS

- Computer and Network Forensics
- Advanced Topics in Digital Forensics
- Information Assurance
- Security Toolkit Programming with Python
- Cryptography
- Software Security

ACADEMIC ACTIVITIES

Fulton Undergraduate Research Initiative (FURI) Mentor

- Adric Rukkila B.S. in Computer Science at ASU Sep 2016 – May 2017
Topic: Leveraging Cloud Service APIs for Forensic Data Collection

Undergraduate Honors Thesis Mentor

- Samantha Juntiff B.S. in Computer Science at ASU Spring 2015
Thesis: Squeegie: Integrating Forensic Tools for Collaborative Forensic Analysis

RESEARCH EXPERIENCE

Research Assistant

Nov 2009 – Dec 2017

Security Engineering for Future Computing (SEFCOM) Lab, ASU

Tempe, AZ

Lab Directors: Gail-Joon Ahn, Adam Doupé, Ziming Zhao, Yan Shoshitaishvili

- Projects:
 - Designed a framework for conducting forensics on web environments that addresses the unique challenges forensic examiners face in this domain.
Publications: [C1]
 - Implemented a forensic tool in **Python** that uses the G Suite APIs as a proxy for analyzing encrypted **Chromebooks** to reconstruct the timeline of events of an incident.
 - Created a method for identifying extensions installed on **Chrome OS** by analyzing the encrypted files on the hard drive. Wrote an accompanying crawler in **Python** (and using **Ansible**, **Celery**, **MySQL**, **sshfs**, and **OpenStack**) to download all extensions on the Chrome Web Store and analyze them.
Publications: [J1, P2, BL2, BL3]
 - Helped design and implement a cloud-based version of the International Capture the Flag (iCTF) competition, allowing educators to more easily host their own CTF competitions. Used **Ansible**, **Vagrant**, **Amazon EC2**, and **Python** for the implementation and deployment.
Publications: [C2]
 - Developed a forensic acquisition approach for web email that reestablishes persistent cookie sessions stored by a browser, and automated the process using **Python** and **Selenium**.
Publications: [C3]
 - Designed and implemented the core components of a modular, highly scalable, collaboration-centric digital forensic framework built on the **OpenStack** cloud architecture. Functions of the components included distributed job scheduling, storage management, and concise evidence representation and transmission.
Publications: [C5, BC1, P4]
- Other experience:
 - Maintained fifteen servers for the lab, including a public-facing router, an **OpenVPN** server, a reverse-proxy web server with **TLS** certificate management, an **OpenStack** cloud, switches transmitting **VLAN**-tagged traffic, and a **GitLab** server.
- Sponsors:
 - Department of Defense Information Assurance Scholarship Program (IASP)
 - Department of Energy
 - National Science Foundation

RESEARCH INTERESTS

- Digital Forensics
 - Web and Email Forensics
 - Evidence Representation Formats
 - Forensics on Non-Traditional Devices
- Cyber Security
 - Threat Intelligence Sharing
 - Web Security

PUBLICATIONS

Peer-Reviewed Conference Proceedings

- [C1] **Mike Mabey**, Adam Doupé, Ziming Zhao, and Gail-Joon Ahn. "Challenges, Opportunities, and a Framework for Web Environment Forensics". In: *Advances in Digital Forensics XIV: 14th IFIP WG 11.9 International Conference, New Delhi, January 3-5, 2018, Revised Selected Papers*. Springer International Publishing, 2018, pp. 11–33. ISBN: 978-3-319-99277-8. DOI: 10.1007/978-3-319-99277-8_2 [↗](#).
- [C2] Erik Trickle, Francesco Disperati, Eric Gustafson, Faezeh Kalantari, **Mike Mabey**, Naveen Tiwari, Yeganeh Safaei, Adam Doupé, and Giovanni Vigna. "Shell We Play A Game? CTF-as-a-service for Security Education". In: *2017 USENIX Workshop on Advances in Security Education (ASE 17)*. USENIX Association, August 2017.
- [C3] Justin Paglierani, **Mike Mabey**, and Gail-Joon Ahn. "Towards Comprehensive and Collaborative Forensics on Email Evidence". In: *Collaborative Computing: Networking, Applications and Worksharing (Collaboratecom), 2013 9th International Conference Conference on*. October 2013, pp. 11–20. DOI: 10.4108/icst.collaboratecom.2013.254125 [↗](#).
- [C4] Wonkyu Han, **Mike Mabey**, and Gail-Joon Ahn. "Simulation-based validation for smart grid environments". In: *2013 IEEE 14th International Conference on Information Reuse & Integration (IRI)*. IEEE, August 2013, pp. 14–21. ISBN: 978-1-4799-1050-2. DOI: 10.1109/IRI.2013.6642448 [↗](#).
- [C5] **Mike Mabey** and Gail-Joon Ahn. "Towards Collaborative Forensics: Preliminary Framework". In: *Information Reuse and Integration (IRI), 2011 IEEE International Conference on*. August 2011, pp. 94–99. DOI: 10.1109/IRI.2011.6009527 [↗](#).

Peer-Reviewed Journal Papers

- [J1] **Mike Mabey**, Adam Doupé, Ziming Zhao, and Gail-Joon Ahn. "dbling: Identifying extensions installed on encrypted web thin clients". In: *Digital Investigation* 18 (August 2016). The Proceedings of the Sixteenth Annual DFRWS Conference, S55–S65. ISSN: 17422876. DOI: 10.1016/j.diin.2016.04.007 [↗](#).
- [J2] Wonkyu Han, **Mike Mabey**, Gail-Joon Ahn, and Tae Sung Kim. "Simulation-Based Validation for Smart Grid Environments: Framework and Experimental Results". In: *Integration of Reusable Systems*. Ed. by Thouraya Bouabana-Tebibel and Stuart H Rubin. Vol. 263. Advances in Intelligent Systems and Computing. (Extended version of [C4]). Springer International Publishing, February 2014, pp. 27–44. ISBN: 978-3-319-04716-4. DOI: 10.1007/978-3-319-04717-1_2 [↗](#).

Peer-Reviewed Book Chapters

- [BC1] **Mike Mabey** and Gail-Joon Ahn. "Towards Collaborative Forensics". In: *Information Reuse and Integration in Academia and Industry*. Ed. by Tansel Özyer, Keivan Kianmehr, Mehmet Tan, and Jia Zeng. (Extended version of [C5]). Springer Vienna, 2013, pp. 237–260. ISBN: 978-3-7091-1537-4. DOI: 10.1007/978-3-7091-1538-1_12 [↗](#).

Invited Talks

- [T1] **Mike Mabey**. "dbling: Identifying Extensions Installed on Encrypted Web Thin Clients". Presentation given at the Sixteenth Annual DFRWS Conference on paper [J1]. August 2016.

Poster Presentations

- [P1] Erik Trickle, Faezeh Kalantari, Yeganeh Safaei, Lakshmi Srinivas, Naveen Tiwari, **Mike Mabey**, Sukwha Kyung, and Wonkyu Han. *Capture the Flag in the Cloud*. *Symposium on Information Assurance Research and Education, ASU*. October 2016.
- [P2] **Mike Mabey**, Jeremy Whitaker, Gail-Joon Ahn, and Adam Doupé. *Towards Forensics for Web Thin Clients*. *Symposium on Information Assurance Research and Education, ASU*. November 2015.
- [P3] Jeremy Whitaker, **Mike Mabey**, Gail-Joon Ahn, and Adam Doupé. *Forensic Analysis on Mobile Devices*. *Symposium on Information Assurance Research and Education, ASU*. October 2014.
- [P4] **Mike Mabey**, Justin Paglierani, and Gail-Joon Ahn. *Towards Collaborative Forensics*. *Workshop on Information Assurance Research and Education, ASU*. April 2012.
- [P5] James Bridges, Kasimir Gabert, and **Michael Mabey**. *Cyber Tracer*. *University Day, Sandia National Laboratories*. July 2011.

SERVICE

Department

- Admin Team: UCSB International Capture the Flag (iCTF) 2017
 Publications: [C2]
- Team Leader: ASU team in the UCSB iCTF 2009, 2010, 2014, 2015
- Panelist: PhD Open House Student Panel Feb 2014, Feb 2015

Profession

- Conference Proceedings Subreviewer:
 - ACM CODASPY 2013, 2014, 2015, 2016, 2017
 - SACMAT 2014
 - ASIACCS 2014
- Student Volunteer:
 - ACM CODASPY 2017
 - ACM CCS 2014
- Student Program Committee Member:
 - IEEE Security & Privacy 2016

Technical Blog Posts

- [BL1] **Mike Mabey**. *How eCryptfs Affects Filename Lengths*. https://mikemabey.com/blog/2017/08/ecryptfs_filenames.html. August 2017.
- [BL2] **Mike Mabey**. *How to check out an old version of Chromium OS*. https://mikemabey.com/blog/2016/02/check_out_old_chromium.html. February 2016.
- [BL3] **Mike Mabey**. *Fixing repo init to check out Chromium OS code*. https://mikemabey.com/blog/2015/01/fixing_repo_init_chromium_os.html. January 2015.
- [BL4] **Mike Mabey**. *Getting into Developer Mode on the HP Pavilion 14 Chromebook*. https://mikemabey.com/blog/2013/05/getting_into_developer_mode.html. May 2013.
- [BL5] **Mike Mabey**. *Debian on Android and my quest for a full-fledged terminal Python IDE*. https://mikemabey.com/blog/2012/06/debian_on_android.html. June 2012.
- [BL6] **Mike Mabey**. *OpenVPN Update: Fixed!* <https://mikemabey.com/blog/2012/06/openvpn-update-fixed.html>. June 2012.

PROFESSIONAL EXPERIENCE

Software Engineer II

Jul 2019 – Present

OODA Health, Inc. (Acquired by Cedar Jun 2021)

Salt Lake City, UT

- Implemented tools for health insurance companies to review claims and prior authorization requests that identified, parsed, and presented the relevant clinical information to decrease the time needed to process and adjudicate requests. Technologies used include **Python**, **gRPC/protobufs**, **AWS (EC2, SQS, S3, and KMS)**, **MariaDB** (later switched to **Postgres**), **OpenCV**, **OAuth** (for authenticating with external data services), as well as the X12 **EDI** and Fast Health Interoperability Resources (**FHIR**) data formats.
- Led the effort to integrate with two electronic health record (EHR) systems, Cerner and Epic, using the FHIR specification, including undergoing a certification process by Cerner to access clinical records via their API.
- Contributed to the open-source `fhir.resources` Python library to include support for the DSTU2 version of the FHIR spec, which was necessary to complete the EHR integrations mentioned above.

Computer Scientist (U.S. Army Civilian)

Dec 2017 – Jun 2019

Data Science Directorate, Network Enterprise Technology Command (NETCOM)

Phoenix, AZ

Grade: GS-0854-12 Step 1

Service: Competitive

Tenure: Conditional, Full-Time

- Designed, implemented, and deployed analytics for the Army's instance of DISA's **Big Data Platform (BDP)**, including an app for monitoring vulnerability patching compliance and a dashboard for visualizing performance of information technology service management (ITSM) ticket resolution. Analytics were composed of a web interface using **Python**, **Flask**, **Vue**, and **Bootstrap**, with **pandas** for the data analysis, **Plotly** for the visualizations, and **Celery** and **redis** for task management.
- Shortened the development cycle for BDP apps by automating the build, packaging, and deployment process using **Python** and GitLab's **Continuous Integration** utility.
- Acted as technical liaison during fiscal year 2018 for a \$3 million contract with Sandia National Laboratories to implement tools such as an anomaly detection ensemble, an emulation model of a notional network, and a WHOIS registrant analyzer. Acquired data samples to inform the implementation and testing of the analytics, ensured the projects stayed focused on operational objectives, held weekly sync meetings, reported to leadership on Sandia's progress, and assessed the value of the delivered products.
- Technical lead for developing NETCOM's relationship with ASU. Led strategic discussions with ASU's Global Security Initiative (GSI) leadership to collaborate on real-world NETCOM issues. Spearheaded the effort for ASU to gain access to an instance of the Army's BDP for improved technical collaboration. Served as the Army's program lead for the ASU Computer Science Capstone initiative.
- Initiated a culture in the Directorate of using **git**, **GitLab**, and DevOps methods and established internal best practices for collaborating on code development and documenting lessons learned.

Civilian Reserve/Intern

May 2016 – Aug 2016

Arizona Department of Public Safety

Phoenix, AZ

- Updated the content, layout, and topics of the security policy for the Arizona Counter Terrorism Information Center (ACTIC) for clarity and to be in compliance with recommendations from the Department of Homeland Security. Created training slides to accompany the new security policy.

Summer Intern

Jul 2015 – Sep 2015

Arizona Cyber Threat Response Alliance (ACTRA)

Phoenix, AZ

- Designed an operationalized workflow for Arizona Infragard member organizations to share **threat intelligence** through a common **STIX/TAXII** platform.

Student Trainee (U.S. Army Civilian)

Jun 2013 – Aug 2013, Jun 2014 – Aug 2014

Army Cyber Command (ARCYBER)

Fort Meade, MD

Grade: GG-0199-09 Step 1

Service: Excepted

Tenure: Permanent, Full-Time

- Summer internships in connection with DoD IASP scholarship.

Graduate Student Summer Intern
Sandia National Laboratories

May 2011 – Jul 2011
Albuquerque, NM

- Helped design a dynamic malware analysis framework built on **OpenStack**, allowing incident responders to define customizable analysis environments and use arbitrary analysis tools for triage or manual analysis.
- Wrote **Python** scripts to automate the setup process for using a SheevaPlug computer as a wireless intrusion detection agent running **Kismet**.

Graduate Student Recruitment Specialist/Webmaster
Electrical & Computer Engineering Department, USU

Jul 2006 – Aug 2009
Logan, UT

- Primary responsibilities included maintaining and augmenting the department website using **PHP**, **MySQL**, and other basic web technologies like **CSS**, **JavaScript**, and an **SMTP** server.
- Completed multiple graphic design projects for the department using **GIMP**, **Adobe Photoshop**, and **Adobe Illustrator**.
- Replaced a **MS Access** database by porting the old data to a **MySQL** server and creating a set of **Python** programs with the **Dabo** framework that interfaced with the database.
- Created a testing environment using an **Apache** web server, **PHP**, **MySQL**, and **SVN**.
- Gathered statistics on web visitors, inquiries from students, and applicants' credentials for the purpose of improving the department's graduate student recruitment processes.
- Responded to inquiries from potential domestic and international graduate students.

Technician Aid
Electrical & Computer Engineering Department, USU

Sep 2006 – Aug 2009
Logan, UT

- Built and maintained computers for department faculty and student labs.
- Installed and configured various software on Windows machines for faculty, staff, and students.
- Created and restored backup images of lab computers using **Norton Ghost** and **Acronis TrueImage**.
- Protected lab computers using **Faronics Deep Freeze**.

Store Attendant
Electrical & Computer Engineering Department, USU

Jun 2005 – Sep 2008
Logan, UT


- Maintained equipment and instruments in the labs for electrical engineering students.
- Performed store duties including maintaining inventory, serving customers, cleaning rooms, and running errands.

Lab Technician
KWM Electronics Co.

May 1997 – Aug 2002
West Jordan, UT

- Worked closely with CEO/Head Engineer to build prototypes of electronic devices.
- Used various soldering techniques on both through-hole and surface-mount parts.

PROFESSIONAL MEMBERSHIPS

- IEEE
 - Cybersecurity Community
 - Internet of Things Community
- IEEE Computer Society
- Python Software Foundation (Basic Member) 





TECHNICAL STRENGTHS & QUALIFICATIONS

| | |
|--|---|
| Programming Languages | Python, Bash, C/C++, HTML, CSS, \LaTeX |
| VCS, Testing, & CI/CD | Git, pytest, Python unittest, GitLab Pipelines, CircleCI, Nexus |
| Operating Systems |  Windows,  Linux,  Chrome OS |
| Forensic Tools | FTK, Sleuth Kit & Autopsy, dd, HxD, etc. |
| Protocols & APIs | gRPC, JSON, XML, AMQP, REST, STIX, RabbitMQ |
| Network Administration/Security | Ansible, OpenVPN, ufw, lighttpd, Caddy, Wireshark |
| Cloud Architectures | OpenStack, Amazon EC2 |
| Databases | MySQL, SQLite |

HONORS AND AWARDS

- Promoted from GS-11 to GS-12 (Army) Dec 2018
- Individual Cash Award, from NETCOM supervisor Dec 2018
 - For exceeding performance expectations.
- Achievement Medal for Civilian Service Oct 2018
 - "For outstanding performance while assigned to the Performance Standards Benchmarking (PSB) Fire Team. ... Mr. Mabey's superb contributions played an instrumental part in the team's successful overall development of the benchmarking methodology. ... His unparalleled commitment to excellence ensured the overall success of the PSB Fire Team and reflects great credit upon himself, the Network Enterprise Technology Command, and the U.S. Army."
- Individual Time-Off Award, from NETCOM supervisor Sep 2018
 - For exceeding performance expectations.
- Individual Cash Award, from NETCOM supervisor Sep 2018
 - For exceeding performance expectations.
- DoD Information Assurance Scholarship Program (IASP) Recipient (5 years) 2012 – 2017
- Inducted into Eta Kappa Nu (HKN) Engineering Honors Society at ASU Nov 2010
- Eagle Scout, Boy Scouts of America 2002

PROFESSIONAL DEVELOPMENT

- Intermediate Course from Army Management Staff College Jun 2019
The Intermediate Course prepares current and aspiring Army Civilian leaders (GS 10-12) to become more innovative, self-aware, and prepared to effectively lead and care for personnel and manage assigned resources at the organizational level. Training and developmental exercises focus on "mission" planning, team building, establishing command climate, and stewardship of resources.
- Applied Data Science with Python from University of Michigan on Coursera (Ongoing)
 - Applied Plotting, Charting & Data Representation in Python Apr 2019
 - Introduction to Data Science in Python 
- Data Science Specialization from Johns Hopkins University on Coursera
 - Getting and Cleaning Data  Nov 2018
 - R Programming  Oct 2018
 - The Data Scientist's Toolbox  Aug 2018
- Preparing Future Faculty (GRD 791 at ASU) Aug 2015 – May 2016
The Preparing Future Faculty (PFF) program is a year-long series of seminars, discussions, and activities designed to expose graduate students and postdocs more fully to the realities of teaching, research, and service in higher education.

REFERENCES

Please feel free to contact any of my references.

Jerrie Core

Division Chief, NETCOM Data Science Directorate — Phoenix Branch
6201 E Oak Street
Phoenix, AZ 85008
Phone: (719) 317-3108
jerrie.l.core.civ@mail.mil

Gail-Joon Ahn

Director, Center for Cybersecurity and Digital Forensics
Professor of Computer Science and Engineering
Fulton Entrepreneurial Professor
School of Computing, Informatics and Decision Systems Engineering
Ira A. Fulton Schools of Engineering, Arizona State University
Brickyard Engineering (BYENG) Bldg, Room 486
699 S. Mill Avenue
Tempe, AZ 85281
Phone: (480) 965-9007
Fax: (480) 965-2751
<http://www.public.asu.edu/~gahn1/>
gahn@asu.edu

Adam Doupe

Associate Director, Center for Cybersecurity and Digital Forensics
Assistant Professor of Computer Science and Engineering
School of Computing, Informatics and Decision Systems Engineering
Ira A. Fulton Schools of Engineering, Arizona State University
Brickyard Engineering (BYENG) Bldg, Room 472
699 S. Mill Avenue
Tempe, AZ 85281
Fax: (480) 965-2751
<http://adamdoupe.com>
doupe@asu.edu

Frank J. Grimmelmann

President & CEO/Intelligence Liaison Officer
Arizona Cyber Threat Response Alliance (ACTRA)
Phone: (623) 551-1526
Fax: (623) 551-4221
fgrimmelmann@actraaz.org