

# Clinton Bowen

<https://www.torrho.com>  
Clinton.Bowen@gmail.com | 818.687.1941

## EDUCATION

### CAL STATE NORTHRIDGE

MASTERS IN APPLIED MATHEMATICS  
December 2016

BS IN APPLIED MATHEMATICS  
May 2010

## LINKS

 LinkedIn

## SOFTWARE

### LANGUAGES

C#  
L<sup>A</sup>T<sub>E</sub>X  
Python  
SQL (MySQL, PostgreSQL, SQLite)

### LIBRARIES, APIS, AND FRAMEWORKS

Sage Python  
.NET  
CPLEX  
Django

## SKILLS

### SYSTEM ENGINEERING

GPS  
Subject Matter Expert (SME) on C/A •  
SME on CNAV

### CRYPTOGRAPHY + CYBER-SEC Engineering Standards

SME on FIPS 140 to 202 • Cyber-Security  
Framework • SME on Special Publications  
800 Series • CNSSPs

## EXPERIENCE

### BOOZ ALLEN HAMILTON ENGINEERING SERVICES, LLC |

#### TECHNOLOGIST

June 2010 – April 2015 | El Segundo, CA

August 2016 – December 2016 | El Segundo, CA

- Designed, developed, & tested a MATLAB Reed-Solomon error correction code library
- Developed & demonstrated SHA-3 based embedded C software for a PIC24HJ12GP201I Controller
- Built and demonstrated Zigbee 802.15.4 wireless data transfer software in C to potential business partners
- Designed, developed, & tested a random number generation test suite in C#
- Designed, developed, & tested message optimization software for GPS L2C and L5 signals in python
- Directing weekly technical meetings between a team of software developers and clients for project management
- Corrected NIST test vectors for SHA-2 based digital signature algorithms.
- Contributed the 'K' in SHAKE for NIST FIPS-202.

### THE MITRE CORPORATION | SENIOR CYBERSECURITY ENGINEER

April 2015 – July 2016 | El Segundo, CA

- Static Analysis Continuous Integration Platform
  - Worked on a KLEE symbolic execution plugin for Jenkins Continuous Integration tool
  - Provided guidance on JavaPathfinder symbolic execution plugin for Jenkins Continuous Integration tool
- Source Code Vulnerability Review for GPS
  - Provided security assessment to military user equipment and radionavigation software C source code with Fortify
  - Performed a FOSS analysis on two military user equipment code bases with Palamida
- Consulting on Key Management Concept of Operations for OCX Ground Segment

### CLOVER HEALTH, LLC | SECURITY ENGINEER

December 2016 – Present | San Francisco, CA

- Demonstrated and evaluated usage of Hashicorp Vault secret management service for Clover Engineering with Okta SSO Service.
- Collaborating on effort to explore how to incorporate Kubernetes as our container management system for deployments.
- Guiding software development teams data security practices in AWS RDS, S3, and Google Cloud buckets.
  - Conducts code review and coding practice assessments to identify software development risks.
- Contributor to the security vendor management program.
- Maintained NGINX server on Google Cloud for during medicare annual enrollment period for Clover's marketing campaigns.
- Manages security monitoring tools on endpoing devices and cloud instances.