

## EXPERIENCE

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- **California State University, Monterey Bay** Monterey, California  
*Computer Science Instructor and Education Coordinator* 2014 – 2018
  - **Teaching:** Modernized and taught CST 338 (Software Design with Java, Android, Object-Oriented Programming, Design Patterns). Completely redesigned and taught CST 205 (Multimedia Design and Programming with Python).
  - **CSSI-Extension with Google:** Lead instructor for three week computer science workshop for rising freshmen.
- **Stealth Startup** Mountain View, California  
*Full Stack Developer* January 2015 – June 2016
  - **Hybrid mobile application:** As lead developer, created a hybrid Cordova iOS application as a minimum viable product. Technologies included Node.js, Express, WebSocket API, MongoDB, LinkedIn API, and geolocation services.
- **Naval Postgraduate School** Monterey, California  
*Faculty Associate – Research* 2010 – 2014
  - **Data mining:** Wrote Python script to identify equidistant global weather stations. Wrote web scraper script to collect meteorological data with cURL to populate a MySQL database.
  - **Android:** Investigated Android random number generation and Android kernel modification.
  - **Secure user interfaces:** Developed declarative approaches to creating secure, interactive user interfaces. Analysis of Adobe PDF form technology and PDF attack vectors. Acknowledgement in LEGO® Bricks for Reactive Programming (author: Dennis Volpano). Paper presented at the 2014 IEEE Security and Privacy Workshop.
  - **Multilevel security:** Research of Hadoop MapReduce, web syndication, and blogging platforms in a multilevel security environment.
- **MAGIX GmbH** Berlin, Germany  
*Online Marketing (USA) / Online Content Editor* 2004 – 2008
  - **Online marketing:** Designed and implemented online promotions and email campaigns.
  - **Content management:** Managed and trained members of the international online content staff. Use of TYPO3 Content Management System.
- **Enaikoon GmbH** Berlin, Germany  
*Manager of Internal Sales & Marketing Assistant* 2003 – 2004
  - **Priorities:** Created and maintained the English language website. Assisted in international business development.

## EDUCATION

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- **Naval Postgraduate School** Monterey, California  
*Master of Science in Computer Science; GPA: 3.56* 2010 – 2012
  - **Master's thesis:** *Web Syndication in a Multilevel Security Environment*, Advisors: Mark Gondree and Zachary Peterson
- **University of California, Berkeley** Berkeley, California  
*B.A. in Applied Mathematics and Economics (double major); GPA: 3.57* 1996 – 2001
  - **Honors:** Graduated with Honors from the College of Letters and Science and Departmental Honors in Economics. Economics Senior Honors Thesis: *Consolidation of the U.S. Concert Industry, 1998-2001*, Thesis advisor: James Powell

## COMPUTER SKILLS

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- **Web development:** Angular, Flask, Bootstrap, Wordpress
- **Programming:** Python, Java, JavaScript, TypeScript, PHP
- **Other technologies:** Database (MongoDB, MySQL, SQLite), Android Room Persistence Library, L<sup>A</sup>T<sub>E</sub>X, OpenCV

## LANGUAGES

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- **American English:** Native speaker
- **German:** Professional working proficiency