

# Mr. Chulakorn Aritajati

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## SKILLS

### Programming languages

- Expert: Java
- Proficient: VB script, Python, SQL, HTML, CSS
- Prior experience: Javascript, JQuery, CSS, Sass, Ruby on Rails

### Research Methods and Data Analysis

Quantitative analysis (e.g. ANOVA and Regression), Qualitative analysis (coding open-ended questions and interviews), Mixed Methods, Path Analysis, Structural Equation Modeling(SEM)

### User Experience Design

Wireframes, low-fidelity and high-fidelity interactive prototypes, storyboards, scenarios, personas, flowcharts

### Tools

Axure, Sketch, Balsamiq, Photoshop, Adobe Proto, SPSS, AMOS, JMP, InVision

## EXPERIENCE

**Pennsylvania State University**, (State College, PA. 2013-current)

Research Assistant in Center for Human-Computer Interaction (<https://hci.ist.psu.edu>)

*Developed applications for research purposes. Conducted research and analyzed data.*

- Developed and tested a social network for middle and high school students learning programming during summer camps.
- Delivered the social network without issues on time.
- Programmed a questionnaire website to support a National Science Foundation project.
- Managed development teams and gathered requirements from stake holders for both projects.
- Mentored and trained undergraduate programmer.

**Borgtor** (Bangkok, Thailand. 2012)

Co-founder, and chief technology officer

*Borgtor is a web portals and mobile application providing user-generated reviews for local business in Thailand.*

*Responsible for its specification, design, and development.*

- Recruited and hired three programmers.
- Received some seed funding from the National Innovation Agency (NIA), Thailand.

**T-Mobile** (Atlanta, GA. 23 May 2011 – 12 August 2011)

UI Development Intern

*Designed and wrote automated unit test scripts for customer service software.*

- The test scripts helped the development team decrease their effort for a unit test by 30% and reduce issues in each release

**Thomson Reuters Software (Thailand) Limited**

(Bangkok, Thailand. 5 May 2008 – 12 July 2010)

Quality Assurance Engineer

*Tested a web based program for administrators managing customers' authorization. Designed and executed both functional and non-functional tests for this product.*

- Assisted a development team to improve the performance and quality of software components (18% major and 15% minor aspects).
- Mentored internship students and managed the project by the Agile software development.
- Received an excellent employee award in 2009.

**Reuters Software (Thailand) Limited** (Bangkok, Thailand. 1 June – 28 September 2007)

Quality assurance Internship Engineer

*Developed automated test scripts testing all test cases of a website about bond data.*

## EDUCATION

**Ph.D. Pennsylvania State University (State College, PA)**

Information Science and Technology (GPA 3.59 out of 4.0), August 26, 2013-**expected graduation in Fall 2017**

**Dissertation Topic:** Finding Skilled Workers in a Crowd: A Framework for Identifying and Leveraging User Interface Design Expertise in Evaluating Novice Designs

**Thesis:** [Providing Online Help To Students Learning About Web Development: A Real-time Question And Answer Forum](#)

- Methodology: Semi-structured interview, experimental design, pre-post surveys, statistical analysis, and qualitative analysis)

**Advisor:** Dr. Mary Beth Rosson

**M.S. Auburn University (Auburn, AL)**

Computer Science (GPA 4.0 out of 4.0), August 18, 2010-August 3, 2013

**Thesis:** [Green Dolphin: an Educational Questions and Answers Website](#)

- Methodology: pre-post surveys, survey design, log analysis, statistical analysis, and qualitative analysis)

**Advisor:** Dr. Hari Narayanan

**B.Eng. Kasetsart University (Bangkok, Thailand)**

Software and Knowledge Engineering (GPA 3.62 out of 4.0), May 31, 2004-March 8, 2008

**Advisor:** Dr. Jittat Fakcharoenphol

## PUBLICATIONS

### Papers

- Aritajati, C., Rosson M.B., Pena, J., Cinque, D., and Segura, A. 2015. [A Socio-Cognitive Analysis of Summer Camp Outcomes and Experiences](#). In Proceedings of the 46th ACM Technical Symposium on Computer Science Education (SIGCSE '15). ACM, New York, NY, USA, 581-586 (Statistical analysis and qualitative analysis)

### Student Research Competition

- Aritajati, C. 2013. Green Dolphin: a question and answer site for novice programmers, In Proceedings of the 44th ACM conference on Computer Science Education (SIGCSE '13). ACM, New York, NY

### Posters

- Aritajati, C., and Narayanan, N. H. 2013. [Facilitating Students' Collaboration and Learning in a Question and Answer System](#), In Proceedings of the 2013 conference on Computer supported cooperative work (CSCW '13). ACM, New York, NY

### Awards

- The winner of foundation for research in information technology (Thailand, 2008): The winner of the software contest for undergraduate students.

### Additional Information

- Interests: Cycled a road bike and established a games Youtube channel.